

# **Chemical Week INDEX**

**Volume 85**

**July – December, 1959**

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Accounting - Cost accounting: your problem too - report Erwin von Allmen (tables)

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Promise of cheap acrolein heightens derivatives' commercial appeal (chart)

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Emulsion makers map new acrylic growth (chart)

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Captive production by plywood makers on the West Coast is cause for concern

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FTC charges P&G with false advertising

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Household starches enter pushbutton era

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Orange drink concentrate

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World aerosols meet

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Fertilizers from the sea may pose a new problem for West Coast ag marketers

Fungicidal added to asphalt varnish fights tree decay

German law poses threat to U.S. suppliers of farm chemicals, food colorants

Khrushchev's interest in U.S. chemical developments

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Tribution production is expanded

Uniform regulation is provided in a new law covering defoliants, desiccants, plant regulators and nematocides

Wild oats controlled by Carbyne herbicide

Wild oats controller, Aradex

Air-Coolers - Why aren't more air coolers used in chemical plants?

Air Freight Forwarders Assn. - Opposed

American Express's entry into international air freight business

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Aluminum paint fume damage suit in Oregon

Anti-fogging composition - patent assigned to the U.S.

Auto exhaust pollution - two new approaches to cutting pollution by UCLA researchers

Automobile exhaust-cancer link investigated

Catalytic cure for nitrogen oxides in automobile exhaust suggested by FIL

Control program will be extended

Experts gathered at Los Angeles discuss federal vs local control

Florida curb on toxic sprays

Florida phosphate producers' air-pollution cleanup is less on community relations

Intermediate odors

Quick, accurate, around-the-clock check in chemical plants is provided by mobile miniature spectrographic laboratory

RAM Strathcraie Combustion System, another approach to the smog problem

S.C. air pollution hearing

Smog-forming components removed by copper oxide catalyst, UCLA research indicates

Smog-producing components of auto exhaust will be reduced by device on 1961 cars

Soviet books translated by B.S. Levine

Standards for auto antismog devices set by the Los Angeles County Board of Supervisors

Step-up in control funds is well on its way through Congress

Trespassing fluoride

Air Pollution Control Assn. - 52nd annual meeting at Los Angeles

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Alpines

J-57 turbojet aircraft engine key to gas turbine project

Don't look for a "crash" nuclear airplane project

Alaska - Attraction of petrochemicals, carbon black and other industries is pinpointed by the proposed gas pipeline from the Kenai Peninsula deposits

Alberta Research Council - Studying the commercial feasibility of recovering magnesium and bromine from oil field waters

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Isobutyl alcohol prices

N-butyl alcohol price hike

Unsaturated alcohol

Alkyl ketones in development quantities

Alkyls - Aluminum alkyls production increased by Ethyl Corp.

All Japan Science and Technology Foundation - Research agency in Japan

Allegheny County Sanitary Authority - Completed a sewage purification plant for the Pittsburgh metropolitan area

Aluminum

Aluminum oxide found in Poland - new recovery process called the Bretznagel method

Anodizing aluminum protection

Anodizing process

Chemical maker on the move

Coming: 3 aluminum sulfate plants

Eight-hour wildcat strike has bitten into operations at Reynolds Metals

Troaldre, Ore., reduction plant

Etchant

Foamed aluminum

India's biggest aluminum plant will be the largest single U.S. investment with an Indian partner

New method of utilizing low-grade aluminum ore under development by U.S.B.M.

Outlet in the automotive field

Prices

Process developed for the electrolytic production of aluminum

Silver-plating aluminum process

Superhard aluminum, equal to heat-resistant high-alloy steel

U.S. aluminum industry is cutting back heavily on output of primary metal

U.S. production is moving at a lively pace

Used in solid-fuel propellants

Aluminum sulfate - Heavy demand for paper products hikes production toward sales of 3 million tons next year (chart)

American Chemical Society - 136th national meeting in Atlantic City

American Coke and Chemicals Institute - Annual meeting at White Sulphur Springs, W.Va. - major coal-tar industry problems highlighted

American Heart Assn. - Annual meeting in Philadelphia will have about cardiovascular drug developments

American Home Laundry Manufacturers Assn. - Survey of home laundering

Habits

American Institute of Chemical Engineers

52nd annual meeting - progress reports

Meeting presented a report on heavy-water bypass at Savannah River plant by Du Pont

Seventh annual engineering management conference in Los Angeles discusses information upgrading

Stable detonation research described at S.F. meeting

American Management Assn.

New York conference on distribution management

Survey of product planning practices

Vila, George, of U.S. Rubber, gives his opinion on the plastics boom

American Nuclear Society - Conference at Washington stresses need for balanced government-industry development

American Petroleum Institute - Standard samples

American Society for Metals - Symposium on rare earths

American Society for Quality Control - Chemical Division and its St. Louis section cosponsored training course in evolutionary operation (charts)

American Society for Testing Materials - Adhesives for missiles, supersonic aircraft reported at S.F. meeting

American Standards Assn. - Tenth national conference on standards in Detroit

American University's School of International Service - Course for executives representing U.S. business abroad

American Waterways Operators Inc.

CPI industries accounted for one-fourth of new facilities built along inland waterways

Concern over increased government control voiced at recent association meetings

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Amino acid

Kits for researchers

Labeled amino acid

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Ammon process pulls profits from ammonia making waste

California's ammonia market

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Production facilities being expanded at Dow's plant in Freeport, Tex.

Ammonium perchlorate - Prices cut

Analyses measuring low concentrations of oxygen

Aniline - Fluid-bed aniline process uses copper-silica catalyst

Anodes - Platinized-titanium anode claims triple edge on graphite (table)

Anthracite

New anthracite uses - letter

Proposed chemicals-from-anthracite venture of Philadelphia and Reading Corp. and General Dynamics is making headway

Antibiotics

Actidione will halt blister rust on trees

Cephalosporin C is reported to be more effective than penicillin

Celastrol sulfate is effective against Gram-negative bacteria

Declomycin, new broad-spectrum antibiotic, more effective than tetracycline

Drug prices defended

Editing of antibiotics journals by an FDA official has been stopped under a new directive

FTC antitrust action against five tetracycline producers Sept. 19-19, Sept. 26-26

Griseofulvin (Fulvicin) prices

New testimony at FTC's hearings

Synebrin, more useful form of tetracycline

Tasteless antibiotics, propionyl erythromycin lauryl sulfate

Tenectenol, a broad-spectrum drug, features antifungal rather than antibacterial activity

Testimony on high-level negotiations concerning tetracycline licenses and sales contracts given at FTC hearings

Antimicrobials - Protect textiles from attack by insects

Antiseptics - Surgical spray dressing, called Rezifilm

Antistatic agent - Cationic polyamine antistatic agent, called Aston AP

Anti-Trust Act

Antibiotic suit against five producers may wind up in Supreme Court

"Big Three" soap producers have won another round

Civil demand - Senate approved a bill to give the Attorney General new power on Du Pont-GM antitrust case faces a new roadblock

Du Pont-GM case - total split of management is called for in final judgement

Du Pont tax relief hassle

Du Pont victory

"Fair traders" will have to wait another year for a national "fair trade" law

FTC antibiotics finale?

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Justice Dept. has a chance of upsetting Le Bay's ruling on the DuPont-GM antitrust case	Oct. 17	35	Underground atomic blasts may yield valuable isotopes	Sept. 12	77	by amendment added to N.Y. State Insurance Law - Northeastern Ohio will supply medication	July 4	59
Kefauver's drug-profits probe - politics, or portent for private enterprise?	Dec. 19	22	Australian Mineral Industries' Research Assn. - New help for miners	Oct. 3	98	Blue Shield - To broaden coverage to include the cost of drugs	July 4	59
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Salk vaccine antitrust suit in Trenton Oct. 10-36, Oct. 17-20	Oct. 24	28	Speeds drug testing	Nov. 21	156	Bone mender, called Osterman	Oct. 17	78
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Private Argentine-Swiss consortium plans to build caustic soda and soda ash plant near Puerto Madryn	Nov. 7	26	Double selling challenge, (1) how to sell to auto makers; (2) the changing trend of auto specialties marketing - report (chart)	Dec. 12	115	Recovery from brine - Boron Circle, U.S.A. (map)	Sept. 5	28
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			Dry bleach, called Du-Rite, based on Du Pont's Oxone	Aug. 15	84			
			Geographic price discrimination on sales	July 18	33			
			Self-service laundries will consume \$25 million worth of washing supplies this year	July 25	89			
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Carbon bisulfide - New plant at Delaware City, Del.	Nov. 21	24				Two more orange colors have been delisted by FDA	Oct. 31	27
Carbon taggers	Aug. 22	67				Columbium - Columbium-tantalum processing lineup (table)	July 4	51
<b>Catalysts</b>			<b>Chlorine</b>			<b>Compressors</b>		
Automatic pilot plant to cut time, cost of evaluating cracking catalysts	Nov. 7	74	Anodes made of platinized-titanium offer potential power savings and longer life (table)	Dec. 12	67	Centrifugal compressors	Sept. 26	96
Copper oxide catalyst removes smog-forming components of auto exhaust, UCLA research indicates			Expansions proposed and completed - letter	Nov. 7	79	Model CJA Balanced/Opposed compressor	Sept. 26	56
Copper-silica catalyst key to fluid-bed aniline process	Aug. 15	58	Liquid chlorine price-fixing suit settled in Texas	Dec. 12	32	Redesigned line	Aug. 15	54
Dealkylation process	Sept. 26	68	Outlook for '60 (table)	Sept. 19	19	Turbocharged compressors	Sept. 5	68
Hydrogen treating	Nov. 14	125	Pacific Northwest industry won't want for salt	Dec. 26	73	<b>Computers</b>		
New catalysts for selective hydrogenation and reforming	Aug. 15	62	U.S. output in '60 - forecast	Dec. 12	109	Analogue computer will handle complex chemical processing problems	Dec. 12	76
Polyethylene catalyst claimed to have advantages over Ziegler and Phillips type catalysts	Oct. 31	76	Chromium - Extension of pure chromium metal tubing successful	July 11	83	Control of ethylene production facilities. Slated for a big payoff in engineering design	Dec. 12	82
Semiconductor metallic catalyst is said to increase furan yields	Oct. 17	68	Cigarettes - "Don't smoke cigarettes" follows "don't eat cranberries" as latest advice from HEW	Oct. 24	71	Upgrading information useful in true engineering control discussed at AICE meeting	Sept. 26	72
Urethane catalysts	Oct. 31	66	Circuit Breakers - Manual circuit breakers	Oct. 10	92	Concrete - Cementless concrete	Nov. 14	122
Caustic compound, Maintz	Sept. 12	115	<b>Citric acid</b>			<b>Construction</b>		
Caustic chlorine - The world's northernmost caustic-chlorine plant is located at Oulu, Finland	Oct. 17	96	Bzura Chemical seeks funds for plunge into citric acid manufacture	Aug. 29	41	Fireproofed wood vats for structural jobs	Oct. 17	59
<b>Caustic soda</b>			Expansion by Miles Chemical	Aug. 15	68	Plastics for construction uses predicted to skyrocket from 500 million lbs. to 2 billion lbs. in 10 years	Oct. 3	29
Anhydrous caustic	Dec. 12	92	German process	Dec. 5	40	<b>Containers</b>		
Argentine output and demand	Nov. 7	26	Mexican sugar growers and the National Financiera will build plant in Veracruz	July 25	35	Anhydrous caustic container cuts freight and handling costs	Dec. 12	92
Outlook for '60 (table)	Dec. 26	73	Short-cycle, deep-fermentation process developed by Bzura	Dec. 5	36	Celanese acquires polyethylene bottle maker, assures market for its high-density resins	Dec. 12	42
Production of flake caustic soda has started at the Perkins, W. Va., plant of Allied's Solvay Division	Dec. 19	62	<b>Cleaners</b>			Ceramic ball mill jars	Nov. 7	66
Cellulose - Optimistic world outlook for chemical cellulose - report (charts & tables)	Aug. 29	53	All-purpose liquid detergents' lengthening lineup	Nov. 7	83	Collapsible lightweight aluminum alloy containers for freight shipments will be put on trial runs	Dec. 26	60
letter	Oct. 31	12	Dairy specialties: \$50-million/year market (table)	Aug. 1	54	Containerization may pare high costs of distribution	Nov. 7	90
<b>Cement</b>			Germicide cleaner, Staph-Trole	July 18	66	Detergent containers of polyethylene tested by three soapers	July 18	56
Filter-fabric cements	Aug. 15	84	History-saving specialties helps the Smithsonian Institution to keep its exhibits in good shape	Aug. 8	47	Disposable containers battle anew with multipack packages; drum-size "disposables" in sight	Nov. 28	93
Resin for all-purpose cements	Nov. 21	192	Marble cleaner - letter	Aug. 15	15	Siftproof box	Dec. 5	48
Testing magnesium oxide content in portland cement	Aug. 8	71	Multi-purpose liquid cleaner, Turco Plaudit	Nov. 28	73	Wax-coated milk and juice cartons (chart & tables)	Aug. 8	91
<b>Centrifuges</b>			Neutral cleaner, Turgene	Sept. 12	115	Welded pail	Dec. 19	72
Competing with tanks, decanters and filters for conventional separations (table)	Dec. 12	73	Oven cleaner	Sept. 12	113	<b>Controllers</b>		
Process tool for camauha wax refining	Oct. 3	60	Purifier cleans air and steam in lines	Nov. 7	48	Electro-ionic cell simplifies ac. power switching in automated control systems	Sept. 18	40
<b>Ceramics</b>			Sonics clean dust collector bags soundly	Nov. 14	101	Heating and cooling control	July 19	74
Ball mill jars	Nov. 7	66	Spot remover comes in a 12-oz. aerosol	Aug. 15	83	Liquid-level controllers	Aug. 15	54
Polycrystalline, called Lucalox, is translucent	Sept. 26	38	Ultrasonic cleaning	Sept. 12	115	Mill-reactor	Sept. 5	68
Silicon nitride ceramic is challenging metals' high-temperature superiority	Nov. 14	79	Window cleaner, Rex-N-Polish, for transparent plastic panels	Oct. 17	54	Proportioning accessories	Nov. 7	48
Chelating agent - For chelating ferric iron Chemical Equipment Sales Engineers Assn. of Chicago - Leider, Josephine, outlines Nationwide's leasing plan	Oct. 10	50	Cloud-seeding - Texas supreme court blocking operations	July 25	84	Conveyors - Pneumatic conveying faces problem - letter	Sept. 26	93
<b>Chemical Industries Exposition</b>			<b>Coal</b>			Coolants - Grinding coolant	Nov. 14	35
Chemshow highlights busy chemical week: CW-CE awards; SOGMA; ACS; AICHE; American Ordnance Assn.	Dec. 12	41	Bituminous coal used as road-binder material	July 4	44	Cooling Tower - All-polyethylene cooling tower	Aug. 15	83
Chemshow report: what's new and significant among the exhibits, where to go in New York, alphabetical list of exhibitors, floor plan of New York Coliseum, classified list of exhibitors	Nov. 21	51	Coal chemical deliveries may not be resumed quickly if an 80-day Taft-Hartley cooling-off period is invoked	Oct. 17	96		Nov. 14	80
27th exposition, New York - chemical hub - Behind the news, H.C.E. Johnson	Nov. 21	16	Coal chemicals' import muddle (charts)	Oct. 17	43	<b>Copper</b>		
Chemical Institute of Canada - Conference on "The Canadian Chemical Industry"	Nov. 7	89	Oil-from-coal synthesis plant being built in India	July 4	44	Bright-copper cyanide process, called Copper-Lume	Dec. 5	48
<b>Chemical Market Research Assn.</b>			World's largest underground coal-gasification plant started operation at Russia's Angrenskii coalfield	Dec. 5	70	Copper chemicals: enough for exports? (chart)	Oct. 24	87
Annual meeting at Williamsburg, Va. discusses fiber consumption	Sept. 26	90	<b>Coal Tar Chemicals</b>			Prices	Sept. 26-90	Nov. 21-181
Meeting at Chicago - role of synthetic resins in production of coatings discussed	Nov. 21	175	Capacity increase at U.S. Steel and Bethlehem Steel	Dec. 26	18	Some government copper stocks might be released with Congressional approval	Nov. 21	181
Meeting in Williamsburg, Va. discusses noncellulosic synthetic fiber growth (chart & tables)	Oct. 3	75	Imports in '58	July 11	84	<b>Copper sulfate</b>		
Memorial Award to Sid Kirkpatrick - Behind the news	Sept. 19	13	Shipment from Rumania will ease coal chemicals pinch	Sept. 19	115	Copper strike pinches copper chemicals supplies (chart)	Oct. 24	87
Chemical Row - City of Orange, Tex., annexes strip around Chemical Row as buffer	Nov. 7	57	Research quantities from Midland	Aug. 8	78	Prices	Nov. 14	108
<b>Chemical Specialties Manufacturers Assn.</b>			<b>Coatings</b>			<b>Corrosion</b>		
Aerosol clinic	Oct. 10	48	Aluminized asphalt coating	Sept. 12	113	Anticorrosion coating	Nov. 21	192
46th annual meeting at Washington - highlights aerosols, waxes and detergents	Nov. 21	190	Anticorrosion coating	Nov. 21	192	Inhibitor	July 4	41
Meeting in Washington, D.C., predicts continuing boom in aerosols, new trends in floor finishes	Dec. 19	70	Automobile finishes - big trend: anticorrosion coatings and unitized bodies (table)	Oct. 3	84	Isopropyl ester repairs vs. new sheet-metal tank bottom (table)	Aug. 8	35
<b>Chemical Week</b>			Beating solar heat	Oct. 17	67	Liquid inhibitor	Oct. 17	53
Buyers' Guide Issue - a comprehensive sourcebook - Behind the news	Sept. 26	15	Ceramic-phosphor coatings	Sept. 12	78	Rust-inhibited ice melter	Oct. 17	53
Chemical Week Reports' Guide	Sept. 26	12	Citrus peel oil-base paint	Sept. 26	64	<b>Cosmetics</b>		
<b>Chemical Week Reports</b>			Dynakote, oil-free baking finish based on a cross-linked vinyl copolymer	Dec. 5	45	Carbolol water-soluble resin suggested in cosmetic formulations	Sept. 12	115
Cellulose (charts & tables)	Aug. 29	53	Epoxy application simplified by Epon curing agents	Oct. 24	71	Cuba curbs cosmetics	Oct. 17	46
Chemshow report: what's new and significant among the exhibits, where to go in New York, alphabetical list of exhibitors, floor plan of New York Coliseum, classified list of exhibitors	Nov. 21	51	Epoxy coating for upgrading switchgear insulation	Dec. 5	53	Facial cosmetics made from pineapples and spinach	Oct. 31	66
Cost accounting: your problem too (tables)	Oct. 17	83	Fluidized coating methods will eventually replace conventional techniques	Dec. 12	82	Man-Tan, aftershave "sun tan" lotion, and Positan, a sun screen and tanning agent	Dec. 5	48
Erwin von Allmen	Oct. 3	36	Gold coating for missile and aircraft sections	Sept. 5	72	Merger of hair colorant companies	Sept. 26	64
Double selling challenge, (1) how to sell to auto makers; (2) the changing trend of auto specialties marketing (chart)	Dec. 12	115	Latex for paper coatings	Sept. 12	113	TV quiz show hearings involve cosmetic maker	Nov. 14	40
FWC - first winner of Kirkpatrick Award (tables)	Oct. 3	36	Neoprene coating	Oct. 17	53	Costs - Cost accounting: your problem too - report Erwin von Allmen (tables)	Oct. 17	83
New trade challenge Joseph Bald (map, charts and tables)	July 25	65	Phosphorizing process	Nov. 21	192	Council for Financial Aid to Education, Inc. - Second annual survey of corporate support of higher education	Sept. 19	91
Propylene (charts & tables)	Nov. 14	53	Prufcoat Primastic, a protective coating	Oct. 31	66	Cryogenic Engineering - Fifth Annual Conference held at the University of California (Berkeley)	Sept. 12	72
Untapped petrochemical treasures (charts)	Aug. 8	39	Shingle restorer	Nov. 14	86	Cryogenic system plant safety conference	Aug. 15	51
Chewing gum - Government seized 43 cartons			Zinc coating	Oct. 10	50	<b>Crystals</b>		
			Cobalt - Imports are not threatening the national security	Oct. 10	39	Crystal bank offers 40 single crystals	Sept. 19	108
			Code - Simplified notation systems approach final screening	Aug. 4	48	Flame-fusion crystal-growing techniques - Linde is offering single-crystal yttrium iron garnet (YIG)	Oct. 24	44
			- letter	Aug. 15	13	Flameless fusion - a new crystal-growing technique	Aug. 29	85
			Colemanite (calcium borate) - Underground mines and recent findings in California (map)	Sept. 5	28	Indium antimonide, purest crystal ever made of any compound	Nov. 14	79
			<b>Color</b>			<b>Cube</b>		
			Color additives bill will probably be shelved until next session	Sept. 5	34	Businessmen are worried about possible expropriation	Dec. 19	20
			Deadline on use of seven delisted color colors may be appealed by food, drug and cosmetics manufacturers	Oct. 24	33	Castro wants U.S. investments	Aug. 1	27
			Glass color expansion in Mexico	July 11	24	Curbs cosmetics	Oct. 17	46
			New rule tightens specifications for the certification of F&C Red No. 1	Oct. 10	80	Export and import restrictions bolster		
			Prices increased by American Cyanamid	Dec. 26	75			
			Regulations banning 17 lipstick colors					



reports that Cuba's economy will be nationalized  
 Political-economic turmoil is of considerable concern to U.S. chemical makers  
 U.S. chemical process firms are disturbed by Castro's industrialization speedup  
 Customizing - more companies turn to custom chemical making for extra income to keep equipment busy  
 Cyanide - waste disposal system  
**Cyanoethylation**  
 Cyanoethylation of kraft paper for use as insulation in transformers  
 First commercial product is a modified kraft paper  
 Cyclobutane - Developmental quantities  
 Cyclohexadiene - Process  
 1,4-Cyclohexanedimethanol - New material for preparation of polyester films and urethane elastomers  
 Czechoslovakia - Production of important chemical products

## D

DDT - Contracts to sell to the government have been awarded to six firms by GSA  
 Dacron - Polyester tire cord  
 Dairy specialties: \$50-million/year market (table)  
 Deaerator removes dissolved gases from boiler feed water  
**Defense Dept.**  
 Army Ordnance Corps' Picatinny Arsenal - Dept. of Defense is setting up a plastics technical evaluation center  
 Cancellation of boron fuel production contracts is a blow to companies involved - Viewpoint H.C.E. Johnson  
 Disposal of excess strategic metals will be big issue in the coming election year  
 Increased military spending next year appears inevitable  
 Management of military development and production is being streamlined  
 Navy pulls out of HEF-2 deal; AF wants propellants study  
 Ruling on the plants idled by cancellation of triethyl decaborane fuel production plans  
 Washington - big drive to clamp new controls on military contractors  
 Defoamers - Three defoamers for general industry and paint systems  
 Demineralizers - Mixed-bed demineralizers  
 Deodorants - Bacteria-killing cakes sold under the Puritized tradename  
**Detergents**  
 All-purpose liquid detergents' lengthening lineup  
 Base for detergents, called Sole-Terge  
 TOE  
 Blind workers, but business as usual in Swedish CPI plant  
 Genie, liquid detergent - promotion ordered halted in 14 Western states  
 Liquid All detergent test-marketed by Lever  
 Polyethylene containers for liquid detergent  
 Pushbutton detergent  
 Self-service laundries will consume \$25 million worth of washing supplies this year  
 Staph-Trole, germicidal cleaner  
 Synthetic detergent sales in '59  
 U.S. synthetic sales established a new high

## Diamonds

De Beers has developed a synthetic diamond process Aug. 15-70, Nov. 28-89  
 Man-made diamonds  
 Molten metal catalyst is the key to synthetic diamond making  
 Synthetic diamond research now in progress at Dutch firms  
 Dihasic acid - New try at Tuscola  
 Diborane - Process patent  
 Dimethyl sulfoxide - GZ will step up manufacture of chemicals from its pulp operations  
 Dimethyl terephthalate - Who will supply DMT for Tere polyester fiber production at Shelby, N.C.?  
 Dimethylacetamide - New polar solvent  
**Distribution**  
 Air freight - simpler arrangements for overseas shipments of chemicals  
 Barge slowdown idles chemical shipping  
 Barge losses for rail competition, government regulation as big problems of '60  
 Canadian chemical industry management probes sales costs, looks to distributor selling for savings  
 Containerization may pare high costs of chemical distribution  
 Dangerous-cargo regulations - UN report outlines the packaging problem  
 Distributors debate merits of national group to set code of ethics, "police" business practices  
 Ethylene by truck  
 Europe's market research lacks fundamental statistics

Dec. 26 27  
 July 4 53  
 Nov. 14 42  
 Oct. 24 93  
 Nov. 28 120  
 Aug. 15 61  
 July 25 80  
 Oct. 17 68  
 Sept. 5-42 Oct. 3-50  
 Sept. 19 124  
 Oct. 3 81

Fraudulent distribution practices - Viewpoint H.C.E. Johnson  
 - letter  
 Lower rates may be coming - incentive rates hold promise for CPI  
 Price competition mars "best year yet" - distributors hurt by "gypsy" truckers  
 - letter  
 Profit margin slashes stir distributors' ire (chart)  
 Rubber tank ruling  
 Southeastern distributor adds two branches (map)  
 Trucks' right of way  
 Unethical trade practices threaten reputable chemical distributors  
 - letter  
 Dog dewormer  
 Dreyfus, Camille, Laboratory - Polymer chemistry research center

**Drug, Chemical and Allied Trade Assn.**  
 New name for Drug, Chemical and Allied Trades Section of the New York Board of Trade - William W. Hulsing elected president  
 Survey shows kind and cost of product liability protection for CPI (charts)  
 Drug, Chemical and Allied Trades Section of the New York Board of Trade - Survey of product liability claims  
 Drug and Chemical Industry Activities Committee of Illinois - Meeting discusses outlook for jobs in chemical plants

## Drugs

Altafur, new drug effective against various infections  
 Amphetamines sale to bootleg outlets has been investigated by FDA  
 Analgin and Pallium, two new painkillers make their commercial debut  
 Animal drugs - dog dewormer  
 Antihistamine called Disomer  
 Antibust suit against five Salk vaccine producers dismissed  
 Automation speeds drug testing  
 Cancer drug, called Cytoxin  
 Cardiovascular drug developments  
 Coronary artery disease drug, generic named triparanol, trademarked MER-29  
 Declomycin, new broad-spectrum antibiotic  
 Demers and climbs  
 Diagnosis of various diseases may be determined by new analysis system  
 Diuretic named Aldactone  
 Drug industry under fire: more accusations on patents, pricing and profits  
 Drug makers face a tough investigator in John M. Blair  
 German drug output rose during the first-half '59  
 Glaucoma treated with new drug called Humorsol  
 Government's screening program  
 Guanethidine, new drug for lowering blood pressure  
 Hormones - corticosteroids, three of the most potent hormones yet discovered, reported by Upjohn  
 Ismelin, hypertension drug  
 Maxipen, synthetically modified penicillin  
 Madeparin, an antiarthritic  
 Mental drugs combat depression, replace shock treatments  
 Mexico - Syntex is getting ready to push into the ethical drug market  
 Miracle drugs are rarely profitable after five years - Viewpoint H.C.E. Johnson  
 Oral penicillin named Synclillin; new Maxipen penicillin  
 Oral polio vaccine  
 Palsy aid - Phenoxene for treatment of Parkinson's disease  
 Penicillin - four new synthetic penicillin preparations  
 Pharmaceutical companies are holding their own in three legal forums  
 Prescription application revoked by the FDA  
 Prescription insurance could upset traditional drug-selling practices  
 Price hearings in New York and Trenton, N.J.  
 Price investigation by the Senate Oct. 3-33, Oct. 31-17, Nov. 21-30, 33, Nov. 28-32, Dec. 5-31, Dec. 12-42, 47  
 Prices in Italy  
 Progesterone derivatives  
 Protein vaccine against syphilis  
 Quadrigen, four-way vaccine  
 Russians discover new antibiotics, but lag U.S. in basic drug research, inspection team finds  
 TV quiz show hearings involve drug producer  
 Tenacetin features antifungal rather than antibacterial activity  
 Thailand admits Merck and a Danish pharmaceutical concern to build drug plants  
 Tranquillizer, called Mellair  
 Tranquillizer sales under grand jury investigation  
 Vesprin for control of psychotic symptoms  
 What price politics? - Viewpoint H.C.E. Johnson

Aug. 8 11  
 Sept. 19 13  
 Sept. 19 130  
 July 4 63  
 Aug. 8 11  
 July 11 43  
 Dec. 19 34  
 Sept. 26 83  
 Oct. 31 50  
 Aug. 8 84  
 Sept. 19-13 Oct. 17-29  
 Oct. 31 66  
 Nov. 14 76  
 Oct. 3 24  
 Oct. 3 63  
 Sept. 26 20  
 Oct. 10 78  
 Oct. 3 98  
 Nov. 21-34 47  
 Dec. 26 49  
 Oct. 31 66  
 July 11 66  
 Nov. 5 157  
 Dec. 21 156  
 Dec. 5 70  
 Oct. 17 73  
 Oct. 3 72  
 Oct. 17 74  
 Aug. 29 120  
 Nov. 21 158  
 Nov. 7 69  
 Oct. 10 36  
 Dec. 5 31  
 Nov. 14 43  
 Aug. 8 78  
 Oct. 24 72  
 Nov. 7 28  
 July 4 43  
 Oct. 17 78  
 Oct. 24 71  
 July 18 74  
 July 4 46  
 Aug. 1 11  
 July 25 34  
 Nov. 14 35  
 Oct. 31 60  
 July 18 72  
 Sept. 19 108  
 July 18 60  
 Nov. 21 30  
 Dec. 12 48  
 July 4 59  
 Nov. 14 41  
 Dec. 19 22  
 Nov. 21 31  
 July 25 112  
 Sept. 5 72  
 Aug. 8 78  
 Oct. 3 97  
 Nov. 14 40  
 Aug. 29 77  
 July 18 30  
 July 18 60  
 Dec. 19 30  
 Sept. 5 94  
 Dec. 19 10

"Widow and orphan" mail on high drug prices  
 Durene - Untapped petrochemical treasures - report (charts)

## Dyes

Disperse dyes developed for use on polyester fibers  
 Dispersed dye price hikes  
 Dyestuffs for polyester fiber  
 Nylon dyes trademarked Procionyl  
 Orange-brown dye  
 Paper dye  
 Polymeric dye acceptors may find use in Zefran fiber  
 Polyolefin-fiber dyeing process  
 Red dye for gasoline  
 Two new products for dyes of polyester and triacetate fabrics  
 Dyson, C. Malcolm - Notation system adopted as the provisional international cipher in 1951 by IUPAC

## E

EVOP - Evolutionary operation vs. crash program for improving plant processes (charts)  
 East German Nuclear Research Institute - Completed a radiochemistry laboratory

## Education

CPI's financial aid to education (chart & table)  
 Number of persons receiving academic degrees will double in 10 years reports Office of Education  
 Egypt - Soviets will provide technical aid for state-owned pharmaceutical plant  
 Electricity - Electric power can be generated directly from hot gases  
 Electrodes - Platinized-titanium electrodes offer potential power savings and longer life (table) July 25-79, Dec. 12-67  
 Electronics - Chemical research by electronics industry is steadily growing  
 Emulsifiers - Toximul R and Toximul S emulsify all types of pesticides

## Emulsions

Cationic asphalt emulsions are attracting new U.S. attention  
 Floor polish

## Enamels

Enameling process, called Ray-Davis Process  
 Mexican expansion

## Engineering

Atlantic's wax recovery plant boasts improved solvent reworking process  
 Information upgrading  
 Instrument team runs up efficiency score at Du Pont  
 RCI bolsters its communications system to provide centralized guidance for decentralized plants  
 Engineers and Scientists of America - Venture into stock buying via new mutual fund

## Engines

Gas engine  
 Jet engines coupled to low-pressure turbines for industrial gas turbine applications  
 Plastic housing is new jet engine feature

## Enzymes

Agrozyme, enzyme mixture to help fatten cattle and sheep is getting urgent research  
 Clinical enzymes, commercial and under study (chart)  
 Klerzyme

## Epichlorohydrin

Demand (chart & table)  
 Prices  
 Epoxidation - Continuous epoxidation

## Equipment

Auction day at Azusa, Calif., war-gas plant  
 Big-equipment needs to tame growing process temperatures, pressures  
 Centrifuges are competing with tanks for conventional separations (table)  
 Depreciation rates on capital equipment are outmoded and inadequate, according to panelists at tax hearings  
 Electric mortar and pestle  
 Leasing - Nationwide's leasing plan outlined by Josephine Leider at CESEAC meeting  
 Leasing venture backed by realty money. Lease-lease and trade-in plans for financing capital expansion  
 Mechanical rake  
 New plant and equipment expenditures - financing problems ahead? (charts)  
 No boom in U.S.-Red trade  
 Plant management problems you won't find in the operating manual  
 Pressure transmitter for measuring gauge records system keeps complete repair data, cuts paperwork to a minimum  
 Russian science equipment for U.S. schools - Senate has moved to ban import  
 Sales outlook

Oct. 24 34  
 Aug. 8 39  
 Nov. 21 155  
 Dec. 19 38  
 Oct. 17 78  
 Sept. 19 54  
 Sept. 12 115  
 July 18 66  
 Nov. 28 82  
 Oct. 3 71  
 July 18 68  
 Oct. 10 48  
 July 4 48  
 Oct. 24-75 Dec. 5-70  
 Sept. 12 48  
 Sept. 19 91  
 Oct. 3 34  
 Oct. 10 17  
 Nov. 7 70  
 Dec. 26 50  
 July 11 61  
 Nov. 21 192  
 Dec. 12 82  
 Nov. 28 74  
 Oct. 24 58  
 July 11 24  
 Aug. 8 63  
 Sept. 26 72  
 Dec. 26 38  
 Oct. 17 65  
 July 25 83  
 Aug. 15 54  
 Sept. 5-71 Sept. 12-55, 77  
 Dec. 12 70  
 Dec. 5 70  
 Dec. 5 73  
 July 11 98  
 Aug. 15 75  
 Nov. 7 79  
 Oct. 17 67  
 Nov. 28-118, Dec. 19-56  
 July 18 45  
 Dec. 12 73  
 Dec. 12 47  
 Nov. 7 66  
 July 11 53  
 Oct. 3 59  
 Sept. 19 94  
 Sept. 12 64  
 July 25 31  
 Oct. 10 35  
 Aug. 22 54  
 Dec. 5 54  
 Sept. 19 59  
 July 4 28  
 Dec. 12 44



nationalism thwarts U.S. participation.	Aug. 8 20	Flavors - Sales down 4% from '57	July 11 94	Boron compounds lose out as fuels for "chemical bomber," but makers hold hopes for related military fuel uses	Aug. 22 21
Latin pinch on U.S. capital	July 11 26	Florida - Phosphate producers' air-pollution cleanup is less in community relations	Oct. 3 89	Boron-fuel - AF is canceling its biggest contract	Aug. 15 20
Leasing - capital-saving method of "selling" new equipment may find wide application in CPI	July 11 53	Fluorescence - Thermoplastic melamine-sulphonamide-aldehyde pigment process patent	Oct. 3 56	Boron fuel contract cancellations	Aug. 22-10, 17
Legislation of particular interest to CPI	Sept. 19 45	Fluorine - Versatility of new fluorine chemicals	Sept. 5 94	Boron fuels contract goes to Callegary Chemical	Dec. 12 21
Malinckrodt's convertible debentures sell out fast	July 25 33	Fluoroalcohols - Prices	July 4 53	Boron fuels situation - political pressure appears to be a factor	Dec. 5 17
Medical costs - report from the Senate-House Joint Economic Committee	Nov. 21 33	Fluorocarbon - More regulations are to be drawn up for the industry	Nov. 21 23	Conventional fuels will be plentiful, at least through '75	Oct. 24 34
Medical research - Congress has boosted Eisenhower's budget	Aug. 8 27	Fluorspar	Oct. 3 82	First fuel element for plutonium recycle reactor at Hanford Works	Aug. 8 72
Medical research ordered to restrain spending	Oct. 3 34	Government will not act to limit imports. Probe into the domestic fluorspar industry produces odd turn in tariff and trade regulation	Dec. 26 24	Fuel cells may make real inroads into the automotive field in the next decade	Dec. 19 52
Mexican government will cut required bank deposits from 25% to 15%, releasing a flood of credit	Aug. 1 24	Food Chemicals		Fuel cells offer six routes to power (table)	July 25 45
Michigan Chemical's sales goal: \$24 million	Aug. 22 23	Additive makers may have to act swiftly if they want to stay in business after new amendment takes effect	July 4 17	Fuel cell operates farm tractor	Oct. 24 72
More federal government business for CPI may result from a big analysis of procurement practices	Dec. 5 31	"Cancer clause" - attempt to correct the inequities in food additives legislation may be made by HEW	Dec. 19 29	Fused uranium salts better fuel for high-temperature reactors	Aug. 1 43
Navy may double its basic research outlay if proposal to NRAC is carried out	Oct. 17 77	Chemical companies are spending heavily to prove safety of food additives - Viewpoint H.C.E. Johnson	Sept. 5 9	High-energy fuels - boron fuels at the crossroads	July 11 23
Near spectacular CPI earnings are coming in this week	July 18 17	Color additives bill has been approved by the Senate Labor and Public Welfare Committee	Aug. 29 47	Jet fuel is engine-tested	Sept. 19 87
Overseas chemical business would be affected by a basic shift in U.S. foreign economic policy	Nov. 7 27	Color additives bill will probably be shelved until next session	Sept. 5 34	Liquid rocket fuel encapsulated by new method	Oct. 10 74
Pentagon budget squeeze the works	Aug. 15 31	A compromise can be dangerous - Viewpoint H.C.E. Johnson	July 25 14	Naphthenes are getting a close look as possible jet fuels	Aug. 15 57
Pentagon has issued reports ground rules on allowable costs in defense contracts	Nov. 14 46	Deadline for obtaining clearance on food additives is March '60	July 11 32	Nuclear fuel - liquid fluidized bed reactor	Nov. 14 80
Plans for capital investment have been cut	Dec. 26 28	FDA and MIR standards vary - Viewpoint H.C.E. Johnson	Aug. 1 9	Nuclear fuel production in Austria will be studied by three European firms	Aug. 15 62
Presidential politics will dominate every legislative action when Congress reconvenes in January	Sept. 19 45	FDA flooded with petitions	July 4 68	Nuclear fuel reprocessing - industrial reprocessing group (IRG) is formed by six companies	Dec. 26 49
Prospects for '60 chemical companies' latest dividend payments and sales statements reflect industry optimism	Dec. 5 24	German law poses threat to U.S. suppliers of farm chemicals, food colorants	Sept. 12 109	Nuclear fuel reprocessing - private industry interested, but reluctant	Oct. 31 73
Recession pinched the chiefs' pay (chart)	Oct. 24 63	Roadblock to the color additives bill in the house: Rep. James J. Delaney	Aug. 29 47	Prepackaged liquid rocket systems - can they halt the swing to solids?	Oct. 3 71
Record year in sales, earnings and dividends is in prospect - particularly if the steel strike ends	Nov. 7 17	"Safe" food additives list to be published by FDA Aug. 1-28, Nov. 7-28	Nov. 14 46	Rocket fuels - Carbide is now working up syntheses for promising compounds	Oct. 31 59
Research and development budgets are up	Sept. 12 77	Six food additives are off the "safe without test" list	Nov. 28 51	Rocket fuel - hydrogen peroxide-fueled rocket "wings" enable a man to fly up, down, or hover	Dec. 12 81
Research funds for stream improvement have been approved	Dec. 26 49	Thiamine diacetylsulfate, food enricher	July 11 66	Rocket fuel - large variable-thrust liquid-fuel rocket engines	Dec. 19 51
Research spending should be increased, GOP report on science and technology says	Oct. 10 39	Food & Drug Administration		Rocket fuel - liquid hydrogen-fueled rocket engine was test-fired successfully	Dec. 12 81
Russia uses economic aid in Egypt and India to smooth over three political frictions	Oct. 10 17	Changes in field organization are recommended in a study	Oct. 24 33	Solid fuel - North American steps deeper into solid-fuel rocket engine business with full takeover of Astrodyne	July 25 33
Sales and earnings reports confirm that April-June was industry's fattest quarter	Aug. 8 24	Cranberry crisis illustrates the threat and dangers of "government by publicity" - Viewpoint H.C.E. Johnson	Nov. 28 21	Solid-fuel propellants - improvements provided by the addition of aluminum	July 25 80
Sales and earnings reports run far ahead of '58	Oct. 24 23	Cranberry episode	Nov. 28-48 51	Solid propellant for Explorer VI	Aug. 15 20
Six-month earnings reports: profitability for chemical and metal companies is much improved, but profit margins have slipped for pharmaceutical companies and producers of chemical raw materials	Aug. 1 18	Delisted two more orange colors	Oct. 31 27	Solid propellant made from a plastisol	Aug. 1 48
Sales and earnings - six companies report '59 was "best year yet"	Dec. 26 24	Editing of antibiotics journals by an FDA official has been stopped under a new directive	Oct. 24 33	Solid rocket fuel development improved	Sept. 26 79
Sliding balance-of-payments position discussed by a four-man panel at first national conference of Trade Relations Council	Nov. 7 24	Hairraising product recalled from the market	Sept. 26 30	Swaging process	Dec. 12 78
Southern Nitrogen sights profit	Aug. 8 23	Larrick, George says that enforcement of the pure food laws must keep pace with rule-making	Dec. 26 17	Thorium compounds are receiving attention as potential reactor fuel	Sept. 12 69
Spain undertakes drastic economic reforms to lure U.S. capital (table)	Sept. 26 99	Preemptive application revoked	Dec. 12 48	Fumaric acid	
Steel strike will pinch sulfur companies' sales and earnings	Aug. 29 17	Product safety deadline is March 5, '60	Oct. 31 33	Outlook for '60 (table)	Dec. 26 73
Stock offered by three oil companies	Nov. 14 41	Proposal to change peanut butter standards	Sept. 19 51	Prices	Sept. 5 87
Texas financiers are backing the federal government's small-business investment company program	Oct. 10 40	Received 23 petitions	July 4 68	Small-scale production proves successful	Nov. 28 99
Three chemical firms reveal financing plans	Aug. 15 26	Rules on outside jobs by officials will be made public	Oct. 10 39	URC joins the nation's maleic-fumaric lineup	Oct. 3 81
Tougher foreign economic policy	Nov. 14 45	"Safe" food additives list to be published Aug. 1-28, Nov. 7-28	Nov. 14 46	Fungicides	
25 late-reporting firms, large and small show all-time sales highs (tables)	Aug. 22 24	Some drug firms may be prosecuted for selling amphetamine to "bootleggers"	Nov. 21 34	Antibiotic actidione will halt blister rust, a disease that threatens white pine stands	Aug. 1 44
Two chemical concerns go public for expansion money	Oct. 17 34	Study of the toxicology of materials for packaging supplied to food packers	Aug. 29 85	Citrus fruits protected by fungicide-containing paper	Nov. 21 159
Two new CPI firms plan to go public via common stock offerings	Aug. 22 24	Testing of new drugs, pesticides and color additives will be carried out under the direction of E.M.K. Gelling	Sept. 5 34	Fungicidal chemical added to asphalt varnish used in painting tree wounds	Sept. 19 51
Two new plans for financing capital expansion: the lend-lease plan and the trade-in plan	Sept. 19 94	Will conduct a study on stilbestrol	Dec. 12 48	Tenmeret, new pacemaker in research for better fungus-fighting drugs - letter	Aug. 29 77
U.S. foreign aid criticized	July 11 31	Food, Drug & Cosmetics Act - New rule tightens the specifications for the certification of Red No. 1	Oct. 10 80	Furan - New process	Oct. 17 68
U.S. is India's largest source of private capital	Oct. 10 17	Formaldehyde		Furfuryl alcohol - Prices	Dec. 26 59
Washington views the steel strike as a disguised blessing for the business trend	Nov. 7 27	Heavy demand spurs a possible expansion on the West Coast	Oct. 31 69	Fumaces	
West German chemical industry's new capital investments	Oct. 10 37	Outlook for '60 (table)	Dec. 26 73	Rotating electric furnace process chalks up a record	Dec. 12 78
Finishes		Production during August hit a record high	Oct. 31 69	Solvol furnace kit	Nov. 7 66
Enamel-on-aluminum finish, a Lucite acrylic, for house-trailer exterior panels	Sept. 19 56	Production soars, spurred by resin demand (chart & tables)	Sept. 12 103	Strategic-Udy fumace: kiln is the crux (chart)	Dec. 26 34
Finish for wood, called Watco	Aug. 15 84	- letter	Nov. 28 21	Vacuum fumace	Aug. 15 54
Melamine-acrylic resin for use in water-thinned finishes	Oct. 24 90	Formalin - Plastics - foundation for formalin growth (charts & tables)	Sept. 12 103	Vermul fumace for growing crystals	Sept. 19 79
Roundup of finishes for '60 automobiles big trend: anticorrosion coatings and unitized bodies (table)	Oct. 3 84	Formosa - Fertilizer fracas	Nov. 14 42	Garnets	
Fire Extinguishers		France		Gamet crystals	Aug. 1 49
Carbon dioxide and carbon tetrachloride fire extinguishers used by U.S. Army may be replaced by MBT units	Aug. 29 114	Chemical industry sales up	Sept. 19 42	Single-crystal yttrium iron garnet	Oct. 24 44
Du Pont's Freon fire extinguisher is approved by the U.S. Army Corps	Sept. 26 47	Chemical output in the first nine months of this year rose 7% above the corresponding '58 period	Nov. 14 43	Gases - Supercritical gases studied	July 4 44
Fires - Three chemical plant explosions mar industry's safety record	Aug. 8 23	Plant to make isocyanates, polyesters and polyethers planned at Grenoble (table)	Sept. 12 37	Gasoline	
Fish - Codfish waste converted into high-protein meal and oil	July 11 27	Freight Rates		Additives	July 18 74
Fittings - Teflon tube fittings	Aug. 15 54	Cheaper rates will result from ICC's ruling approving piggyback rail service	Sept. 26 30	Brick-making process developed by Russia	Sept. 26 72
		Lower rates may be coming	Sept. 19 130	Dye for gasoline	July 18 68
		Paint and varnish makers will likely get lower freight rates	Sept. 12 18	Isocracking turns low-value distillates into premium gasoline (table)	Oct. 24 38
		Freon refrigerants finds role in missile-homing devices	Sept. 19 106	New additive called Control S-41-K	Nov. 21 172
		Fuel		Opening of gasoline stations by food chains may provide big new outlet for automotive specialties	Oct. 24 58
		AIA predicts new chemical fuels with 50% more thrust than JP-4 and LOX	Aug. 1 44	Gauges - High-vacuum gauge	Aug. 29 129
		Bacon hydrogen-oxygen fuel cell	Sept. 5 38	Gelling agents	Aug. 15 85
		Borane fuels will be bought by the AF on the basis of competitive bidding	Nov. 28 42	Gems - Synthetic gem stones meet new resistance in latest push for sales (table) - letter	Aug. 15 70
				General Agreement on Tariffs and Trade	Sept. 5 9
				Dillon, C. Douglas hinted that the U.S. might be forced toward more import protection	Nov. 14 45
				GATT ministers' meeting gets under way	



In Tokyo	Oct. 31	24	Macy Thanksgiving Day parade features helium-filled "spaceman"	Nov. 28	56	during '59 Glycol threat ahead?	Nov. 7	79
Generators			NBS reports on liquid helium	Sept. 12	72	How can we remove trade barriers between the U.S. and Canada? - Viewpoint	Nov. 21	178
High-temperature jet plasma heat generator	Aug. 1	49	Purification	July 18	42	John Connor	Oct. 31	10
Magnetohydrodynamic generator generates electric power directly from hot gases	Nov. 7	70	Shiprock, N.M., plant will reopen	Sept. 12	99	Lead and zinc - further tightening of quotas considered	July 11	32
Thermoelectric generators are spotlighted by three major developments	Nov. 28	89	U.S. production rate has been upped	Oct. 31	27	Lead and zinc smelters have teamed up in opposition to current U.S. quotas	Sept. 12	99
German Verfahrens-Ingenieure - Meeting at Essen - significant processing developments were turned up	Oct. 24	42	Heptachlor - FDA ruling has banned use of pesticide on edible crops	July 18	66	Liberal import policy is still an Administration goal	Nov. 14	45
Germanium			Herbicides	Oct. 24	72	Naphthalene imports uncertain (charts)	Sept. 5	48
Competitive impact of silicon on germanium in electronic uses (charts)	Oct. 10	65	Ansul changed product's name from Arsan to Ansar	Nov. 14	35	Natural gums, 1953-58 (tables)	Aug. 29	95
Crystal-growing technique	Aug. 8	71	Carbyne, herbicide for wild oats	Nov. 28-21	48, 51	New trade challenge - report Joseph Baird (map, charts & tables)	July 25	65
Demand growing for germanium to be used in electronics	Aug. 22	52	Cranberry crisis	Oct. 3	24	Noncellulosic fibers - imports are rising	Oct. 3	82
Germany			Maleic hydrazide - campaign against use on tobacco has collapsed	Aug. 8	23	\$150-million barrier program voted by the House	Aug. 29	48
Drug output rose during the first-half '59	Nov. 14	43	Maleic hydrazide in new flight	Oct. 17	19	Orotic acid is now marketed in the U.S.	Nov. 21	160
West German law poses threat to U.S. suppliers of farm chemicals, food colorants	Sept. 12	109	Telvar and Karmex weed killers to be produced in France	Nov. 14	88	Pakistan will import 150,000 tons of chemical fertilizers in 1959-60	Oct. 17	95
Plastics production increased July 18-28, Sept. 12-41	Nov. 7	26	Wild oats controller, Avadex	Dec. 12	81	Philippines - nationalism threatens trade ties (map)	July 18	81
West Germany's chemical export strength (charts)	Dec. 5	90	Higgins ion-exchange system and electrolytic reduction cell made debut in Japanese uranium plant	July 11	35	Potash imports sh	July 4	64
West Germany's chemical industry growth trend has slackened	Sept. 26	30	Highways - Bituminous coal used as road-binder material	Sept. 12	14	Residual fuel oil	Dec. 26	28
Glacial methacrylic acid - Prices	Aug. 15	68	Herbicides	July 4	44	Imports has b	July 4	28
Glass			Diosgenin, a raw material for steroid hormones, can be extracted from barbasco root	Nov. 21	168	Russian science	July 4	28
Growing U.S. demand for plate, sheet glass sparks big expansion plans - outlook: climbing sales for chemical suppliers (chart)	July 4	21	Most potent synthetic hormones reported by Upjohn	July 4	43	Schools - Senat	July 4	28
Mats to make translucent-plastic panels - Owens-Corning seeks modification of court order	Nov. 28	132	Oral progestones	July 25	112	Semiconductor materials from Japan pose a serious threat to U.S. silicon producers (chart)	Oct. 24	81
Vitrified glass enamels and glass color expansion in Mexico	July 11	24	Stillbestrol study will be conducted by FDA	Dec. 12	48	Titanium dioxide is not being dumped on the U.S. market by Japan	Dec. 26	75
Glass Fibers			Stillbestrol to fatten chickens banned - can still be used as a feed additive for beef	Dec. 19	29	Tubing imports	Aug. 1	33
Mats to make translucent-plastic panels - Owens-Corning seeks modification of court order	Nov. 28	132	Hospitals - Report on rising medical costs by the Senate-House Joint Economic Committee	Nov. 21	33	U.S. trade with Soviet Russia spurred in the first quarter of '59	Aug. 29	48
Owens-Corning - application for modification of court order has been denied	Dec. 12	104	Hungary			Independent Oxygen Manufacturers' Assn. - Oxygen makers will swap plant know-how with rivals at Miami Beach, Fla.	Nov. 7	43
Glutamic acid - German patent on synthetic	July 18	42	Directives for Hungary's second five-year plan call for doubling of the nation's chemical industry by '65	Nov. 14	108	Exploring the CPI's new frontiers - letter investment center proposed with offices in New York and Washington	July 11	13
Hydro			Revealed chemical goals for its 1961-65 five-year plan	Oct. 17	36	Oil-from coal synthesis plant being built in West Bengal	July 4	25
L-glutamine - Prices	July 4	54	Hydraulic Fluids			Soviet Union signed contract giving India long-term credit for new oil refinery at Barauni, Bihar State	July 4	44
Glycerine			Hydraulic fluid called Sunsafe	Nov. 11	96	Synthetic rubber plant will be financed by Firestone and private U.S. and U.K. banks	Oct. 10	17
Declining soap production cuts natural glycerine output, boosts need for synthetic (chart & table)	Aug. 15	75	Synthetic oil for hydraulic operations	Nov. 28	73	Tax relief treaty signed with the U.S.	Oct. 10	17
Importers may be hurt by Cuba's new surtax program	Oct. 17	46	Hydrazine			Indium - High-purity indium ingot	Dec. 26	75
Outlook	Aug. 25	67	Hunting for volume markets; producers look for break in price-supply impasse	July 25	41	Industry Developments		
Production hit an all-time high in the first three quarters of '59	Nov. 7	79	Supplies are not adequate	Aug. 1	51	Alaska's pipeline from the Kenai Peninsula will attract industries	Nov. 14	20
Synthetic glycerine prices	Sept. 19	116	Hydrochloric acid - Arkansas Louisiana Chemical is adding the acid to its product list	Dec. 26	18	American Cyanamid is starting a multi-million-dollar, world-wide expansion program (map)	Aug. 1	23
Glycol - European expansion - a threat to U.S. producers?	Nov. 21	178	Hydrogen - NBS reports on liquid hydrogen Hydrogen peroxide - Milk sterilant may get FDA approval	Sept. 12	72	Argentina approved new foreign ventures	Oct. 17	36
Gold			Hydroxymethyl furfural - First commercial production from waste wood	Nov. 28	90	Argentina - private Argentine-Swiss consortium plans to build soda plant	Nov. 7	26
Coating for missile and aircraft sections	Sept. 5	72	Imports			Asia's importance to U.S. investors is raised by new U.S.-India tax pact	Nov. 28	46
High-purity gold	Aug. 22	67	Antidumping law regulations have been challenged by the U.S. Court of Customs & Patent Appeals	Nov. 21	159	Asia is offering investment opportunities	Dec. 19	24
Simple electrolytic cell recovers bonus from gold processing wastes	Nov. 28	118	Argentina - expansion of U.S. chemical trade will depend on prices and credit facilities	Aug. 29	48	Beaumont, Tex. envisioned as a key chemical center of the future	Oct. 24	26
Gordon Research Conference - Holds first meeting on photonic research	Sept. 12	46	Borax - cut of import duty asked by Britain's industries	Aug. 8	25	CPI companies hold back on capital spending this year, but plan a bigger outlays in '60 and '61 (chart & tables)	Nov. 14	39
Graphite - Option on a big deposit of ore discovered near Portland, Ont., has been picked up by Joseph Dixon Crucible of Jersey City, N.J.	July 18	78	Canada in tariff overhaul	Aug. 4	22	CPI expansion - depreciation limit threatens long-term expansion (charts)	July 25	31
Great Britain - British Assn. of Chemical and Allied Employers offered to reduce work week to 42 hours	Nov. 21	47	China to import phosphates from Morocco	Sept. 12	18	CPI - geographic distribution of construction (table)	Oct. 24	27
Guided Missiles			Coal chemicals have assumed new importance as a result of steel and coal labor disputes (charts)	Oct. 17	43	CW forecast for '60 - boom year ahead (charts)	Dec. 26	63
Are U.S. missile-makers heading toward captive production of chemical fuels?	Aug. 22	18	Coal-tar chemicals imports are being resumed as the result of the T-H injunction	Oct. 17	96	Canada is developing a long-range petrochemical potential	Nov. 14	20
Liquid-hydrogen-fueled power plant passed its firing tests	Dec. 19	76	Coal-tar chemical imports in '58 - almost half of all came from West Germany	July 11	84	Canada - merger of Powell River and MacMillan & Bloedel will be one of the largest in Canada's industrial history	July 18	28
Solar- or nuclear-derived electricity may replace chemical-fueled systems in long-range space vehicles	Sept. 12	78	Coal tar from Rumania will ease coal chemicals pinch	Sept. 19	115	Commodity survey for '60 shows West with major supply/demand imbalance (table)	Dec. 26	73
Gulf Coast - Banking heavily on power (charts)	Nov. 28	46	Cobalt imports are not threatening the national security	Oct. 10	39	Cosmetics merger	Sept. 26	64
Gulf of Mexico - Atomic dumping stirs hot controversy (map & table)	Sept. 12-77, 89		Communist trade offensive is making strong headway in Latin America	Oct. 10	39	Courtaulds Ltd.'s two newly formed companies will open broad vistas for its American and Canadian operations	Nov. 7	24
Gum - Water-soluble natural gums gain new stature as chemical additives (tables)	Aug. 29	95	Cuba curbs cosmetics	July 25	20	Cuba - U.S. chemical process firms are disturbed by Castro's industrialization speedup	Nov. 14	42
H			Cuba - import restrictions indicate nationalization of Cuba's entire economy	Oct. 17	46	Cuba welcomes "any and all" industry	Aug. 1	27
Heat Exchangers			Deteriorating balance of trade discussed at GATT meeting in Tokyo	Dec. 26	27	Custom chemical making - latest trend in CPI	Oct. 24	93
Guide to design selection simplifies replacement parts ordering	Sept. 12	62	Drug trade U.K., U.S.S.R.	Oct. 31	24	Egypt - Hercules is negotiating with Misr Co. to set up a jointly owned toxaphene plant	Dec. 19	20
Saw for salvaging metal	Aug. 29	129	East-West trade - Russia's fair and Kozlov's visit will not increase trade, government officials say no	Sept. 12	41	18 process industries - size, products, location, and where they'll expand management turns South and West (map & table)	Nov. 21	38
Heater - Space heater	Sept. 19	76	Europe - new market area? (table)	July 4	24	England - Hess Products and Armour Chemical Industries' chemical division will be merged into a new company, Armour Hess Chemicals, Ltd.	Aug. 1	24
Heavy Water			FTA will cut tariffs 20%	Dec. 5	25	Europe - FTA will cut tariffs 20%	Dec. 5	25
Bypass at AEC's Savannah River plant	Oct. 3	56	Flat glass on the upswing (chart)	July 4	22	Seven, economic bloc formed by seven nations not included in first Common Market (map & table)	Aug. 15	41
Fractional distillation of hydrogen produces heavy water economically	Dec. 12	82	Fluorpar - government will not act to limit imports	Oct. 3	82	Europe - major chemical producers mean "stiffer competition" (table)	Sept. 12	37
Indian plant to be built by German Linde	Aug. 6	66	Fluorspar probe produces odd turn in tariff and trade regulation	Dec. 26	24	Europe's blossoming petrochemical plans are highlighted by several new developments	Sept. 19	20
Spewack motion denied	Aug. 1	66	German citrus import regulations	Sept. 12	109	Foreign firms have revealed plans for new operations in the U.S.	Dec. 5	17
Spewack patent reveals three ways to save on heavy-water output	Aug. 1	45	Glycerine exports will exceed imports			France - join-up of St Gobain and		
Helium								
Government will almost double capacity with the startup of USBM's plant at Keyes, Okla.	Nov. 7	76						



French interests	Nov. 7	25	Heptachlor pesticide on edible crops has been banned by an FDA ruling	Oct. 31	27	based on isophthalic acid have found application in maintenance jobs (table)	Aug. 8	31
France's polystyrene and saran plant to be built by Dow in a 50-50 venture with Pechiney	Sept. 26	25	Legislation affecting manufacturers is being considered by H-E-W	Dec. 26	27	Isopolyesters - Reinforced isopolyester resins for plant maintenance and repair (table)	Aug. 8	31
France's stabilizing economy is attracting more U.S. firms	Oct. 17	19	Malathion is a possible replacement for DDT in the fight against mosquitoes	Sept. 19	49	<b>Isotopes</b>		
French chemical industry growth may have important bearing on U.S. trade	Aug. 8	27	Mass spraying may have lost legal status	Oct. 10	18	AEC will have to cut back plans for isotope development work	Aug. 15	32
Germany's West German chemical makers built turn toward U.S. (charts)	Dec. 5	90	New pest-control method is helping California sugar beet growers reduce losses	Oct. 31	34	High-neutron-flux reactor to be built by Lumus at Brookhaven National Laboratory	Nov. 14	122
Great Britain - American Cyanamid will start marketing Creslan acrylic	Dec. 19	20	Pesticide residue on crops determined by new analytical method	Nov. 21	158	Underground atomic blasts may yield valuable isotopes	Sept. 12	77
Greece - polystyrene plant to be built by Dow	Oct. 31	17	Thiol-derived pesticide	Aug. 29	86	Israel - Water desalting plants will use the Alexander Zarchin process	Dec. 19	51
Hungary's chemical expansion - new facilities its 1965 five-year plan	Oct. 17	36	Thiol synthesis key to expanded production of Triton	Sept. 5	37	<b>Italy</b>		
International investment - letter	Aug. 8	11	Toxaphene plant planned for Egypt	Dec. 19	20	Chemical and pharmaceutical exports	Oct. 3-31	Dec. 5-26
International operations group set up by MCA	Dec. 5	25	Ve-cide, a parathion-containing insecticide has been banned by Florida DA	Sept. 19	51	Drug prices	Nov. 21	31
Japanese producers team up for petrochemical push (table)	Nov. 21	28	Institute of Gas Technology - Research indicates that Eastern oil shale may become a source of gas	Nov. 28	120			
Latin America - political, economic factors barring the way to chemical industry development, according to U.N. report	Aug. 8	20	<b>Instrument Society of America</b>			<b>J</b>		
Mergers ahead - prospective purchasers outnumber firms for sale	Aug. 29	42	Chicago conference will debate contract maintenance	Sept. 5	63	Canada will likely be a major supplier for Japan's needs in '60	July 25	98
Mergers - another flurry, may be end of '59 merger trend	Oct. 31	23	Conference in Chicago	Sept. 26	80	Chemical industry's "club-house councils" make new ventures difficult for others (table)	Nov. 21	28
Mergers - continued trend toward both integration and diversification in the CPI	Nov. 21	29	<b>Instruments</b>			Purchased three tons of natural uranium from IAEA	Dec. 12	92
Mergers - current state of oil company mergers is creating bigger and better springboards for petrochemical ventures	Sept. 12	17	Air sampler	Dec. 5	56	Restrictions on investment by foreigners will be eased	Aug. 1	17
Mergers: General Dynamics and Material Service Corp. - UBS Chemical Corp. and R.E. Staley Inc. - Rexell and Granada Plastics; St. Regis Paper and Chemical Packaging Corp.	July 4	17	Attachment converts two-pan analytical balance into a recording instrument	Nov. 7	66	Semiconductor exports pose a serious threat to U.S. silicon producers (charts)	Oct. 10-65, 95	Oct. 24-81
Mergers highlight the news this week	Aug. 8	17	Automatic flame photometer	Nov. 7	66	Jet - Jet-powered gas turbine system	Sept. 5-71	Sept. 12-55, 77
Merger of Stauffer and Victor - new phosphate alignment (table)	July 18	26	Automatic weighing units	Sept. 19	76			
Mexico - Ferro Corp. will diversify	July 11	24	Batchboard panel control for automatic weighing	Aug. 29	129	<b>K</b>		
Mexico is ready to launch its petrochemical program	Nov. 28	47	Contract maintenance	Sept. 5	63	Kanawha Valley, W.Va. - Again drawing interest as a prime chemical production region	Oct. 24	64
Monsanto - eight polystyrene plant expansions under way	Nov. 28	47	Du Pont's coordinated instrument program runs up efficiency score	Dec. 26	38	Kerr - Mines in California (map)	Sept. 5	28
New Orleans waterways growth hastens industrial expansion (map)	Dec. 26	41	Glass-window house photometer	July 4	41	Khrushchev, Nikita - interest in U.S. chemical developments	Sept. 26	29
North American stepped deeper into solid-fuel business with full takeover of Astrodyne	July 25	33	Photoelectric drop counter	Sept. 12	48	Visit points up need for specific action on trade by the chemical industry and government chemical specialists - Viewpoint H.C.E. Johnson	Aug. 29	7
Ohio River valley communities plug anew for chemical plants	July 11	73	Pressure transmitter for measuring gauge	Dec. 5	54	Kirkpatrick Award for Management Achievement - An award and an honor - Behind the news - W.F. Traendly	Oct. 3	9
Overseas chemical business would be affected by a basic shift in U.S. foreign economic policy	Nov. 7	27	Psychrometer	Dec. 5	56	Kirkpatrick, Sid - Chemical Engineering editor retires - Behind the news - H.C.E. Johnson	Dec. 26	13
Overseas - new investment opportunities for U.S. companies in Spain and Japan	Aug. 1	17	Radiactivity monitor	Sept. 19	76	Receives CMRA Memorial Award - Behind the news	Sept. 19	13
Overseas - U.S. plant investment boom (chart)	Aug. 15	25	Radiation pyrometer system	Oct. 10	92	Kosher specialists	July 11	93
Pacific Coast's plastics building (table)	Sept. 19	38	Sales outlook	Dec. 12	44	Kozlov, Fral - Comrade Kozlov - up close - Behind the news Bruce Bendow	July 18	12
Pacific Northwest - industrial change sparked by rapidly developing CPI (map)	Aug. 8	54	Temperature indicator	Dec. 25	106			
Parke, Davis continues its overseas expansion	Dec. 12	44	Viscometer	Aug. 15	54	<b>L</b>		
Philippines - chemical outpost in the Far East (map)	July 18	81	<b>Insulation</b>			Label printer	Aug. 8	52
Power outlook: full reservoirs, new stations, power "pools," assure plenty of electricity (charts)	Nov. 28	45	Cryogenic progress	Sept. 12	72	<b>Labeling</b>		
Production forecasts provide plenty of encouragement for chemicals (chart)	Dec. 26	23	Cyanoethylated kraft used in Permalex insulation	July 25	80	Cranberry debacle - Viewpoint, H.C.E. Johnson	Nov. 21	16
Russia - chemical expansion July 11-25 Savannah: deepwater lure draws the CPI (maps)	Nov. 7	18	Cyanoethylation of kraft paper for use as insulation in transformers	Aug. 15	61	Drug warning labels to be issued by FDA	Nov. 7	28
South America - ICI's expansion program of its subsidiary, Industrias Quimicas Argentinas Duperial, S.A.I.C.	Nov. 28	123	Epoxy coating for upgrading switchgear insulation	Dec. 5	53	Primer	July 11	98
Spain - economic reforms to lure U.S. capital (table)	Aug. 8	18	Firebrick has lightest weight and lowest thermal conductivity	Oct. 3	60	Warning labels on hazardous household products - food, drugs and cosmetics are exempted from the proposed requirements	Aug. 22	28
Stauffer-Victor merger: formula for a blend (chart) Nov. 7-24	Sept. 26	99	Floating power plant, coated with new lightweight insulation, towed from Hoboken, N.J., to Greenland	July 18	59	<b>Labor</b>		
Syntex, S.A., is getting ready to push into the ethical drug market in Latin America	Dec. 12	94	Polyurethane, foamed-in-place, simplifies valve insulation	Oct. 10	90	AFL-CIO's two chemical unions - still separate	Sept. 26	24
Texas - can continue as a hotbed for CPI expansion for 50 years	July 25	34	<b>Insurance</b>			Aluminum extension	Aug. 15	48
Thailand - Merck's newest overseas venture, drug plant near Bangkok	Sept. 19	20	Prescription insurance could upset drug-selling practices	July 4	59	American Oil Co. at Texas City, Tex., has issued an ultimatum to striking workers	Sept. 5	100
U.S. chemical firms are expanding abroad	Aug. 8	18	Product liability insurance (charts)	Oct. 3	63	Amoco events took a new turn	Dec. 5	94
U.S. chemical firms are expanding abroad	Aug. 8	18	<b>Intermediates</b>			Amoco hassle	Oct. 10	82
U.S. chemical firms are expanding abroad	Aug. 8	18	Amine intermediates	Dec. 12	62	Amoco settles strike at El Dorado, Ark.; Texas City plant on strike	Nov. 21	24
U.S. chemical firms are expanding abroad	Aug. 8	18	Cyclododecatriene, new intermediate for plastics production	Sept. 5-42	Oct. 3-50	Baker strike	Sept. 19	98
U.S. chemical firms are expanding abroad	Aug. 8	18	<b>International Atomic Energy Agency</b>			Baker, J.T., contract	Aug. 8	61
U.S. chemical firms are expanding abroad	Aug. 8	18	Thailand medical researchers learn about the use of radioisotopes	Oct. 10	106	Barge strike enters fourth week	July 25-20,	50
U.S. chemical firms are expanding abroad	Aug. 8	18	Will build nuclear research laboratory at Seibersdorf, near Vienna, Austria	Oct. 3	100	Barter strike enters fourth week	Aug. 8	61
U.S. chemical firms are expanding abroad	Aug. 8	18	International Conference for Standards on a Common Language for Machine Searching and Translation - Cleveland conference sponsored by Western Reserve University and Rand Development Corp.	Sept. 26	38	Battle between independent and national unions will get a major test at Esso Standard Oil	Nov. 14	96
U.S. chemical firms are expanding abroad	Aug. 8	18	International Congress of Pure and Applied Chemistry - 17th congress in Munich, Germany, informed of isotopic power	Sept. 12	77	Bill shaping up in Congress is sure to bring change in pattern of CPI labor-management relations	Aug. 29	39
U.S. chemical firms are expanding abroad	Aug. 8	18	International Development, Assn. - May prove a big help to U.S. chemical producers seeking business abroad	Oct. 17	106	Blind workers, but business as usual in Swedish CPI plant	Nov. 7	53
U.S. chemical firms are expanding abroad	Aug. 8	18	International Institute of Nuclear Science and Engineering - Will switch to graduate work	Sept. 26	104	CPI scientists sound off about unions (chart)	July 4	66
U.S. chemical firms are expanding abroad	Aug. 8	18	International Oceanographic Congress - New York meeting yields information on chemicals from sea	Sept. 19	104	Calmer weather has returned to some turbulent labor situations	July 11	18
U.S. chemical firms are expanding abroad	Aug. 8	18	International Rubber Conference - Discussion in Washington of new developments in chemical components and physical characteristics of tires	Nov. 14	20	Canadian companies or unions are liable for damages incurred because of violation of collective bargaining agreements	Nov. 28	132
U.S. chemical firms are expanding abroad	Aug. 8	18	International Union of Pure and Applied Chemistry - Dyson's notation system adopted as the provisional international cipher 1951	July 4	48	Canadian paper workers seeking short week	Sept. 19	98
U.S. chemical firms are expanding abroad	Aug. 8	18	Interstate Commerce Commission - Incentive rates hold promise of cheaper freight for CPI	Sept. 19	130	Cement contract	July 11	78
U.S. chemical firms are expanding abroad	Aug. 8	18	Ion exchange - Higgins ion-exchange system - letter	July 11	35	Chemical union leaders' plan new action	Nov. 21	30
U.S. chemical firms are expanding abroad	Aug. 8	18	Iran - PVC and fertilizer development plans are being crimped by a lack of capital	Aug. 1	24	Chlorine strike at Niagara Falls, N.Y.	July 4	69
U.S. chemical firms are expanding abroad	Aug. 8	18	<b>Iron</b>			Climax contract	Sept. 12	96
U.S. chemical firms are expanding abroad	Aug. 8	18	Ferrous sulfate from titanium dioxide iron ore reduction process - the Wicks process	Nov. 14	125	Compensation upset	Nov. 7	18
U.S. chemical firms are expanding abroad	Aug. 8	18	Iron for missile windows	Oct. 24	42	Compulsory union membership Supreme Court case	Oct. 17	58
U.S. chemical firms are expanding abroad	Aug. 8	18	Isobutyl alcohol - Price	Aug. 22	67			
U.S. chemical firms are expanding abroad	Aug. 8	18	Isocyanate - U.S. capacity (table)	Nov. 28-54,	Dec. 19			
U.S. chemical firms are expanding abroad	Aug. 8	18	Isophthalic acid - isopolyester resins	Nov. 28-54,	Dec. 19			
U.S. chemical firms are expanding abroad	Aug. 8	18						

Copper hassle	Oct. 24	67	Westvaco strike	July 4	69	their own in three legal forums	Nov. 21	30
Copper move	Aug. 29	108	Westvaco strike ends	Aug. 8	61	Pharmaceutical companies overruled on procedural points in antibiotics hearings	Nov. 14	41
Current Congressional battle over labor laws obscures first need - amendment of Taft-Hartley Act - Viewpoint			Why write about unions? - Viewpoint	July 4	7	Polyolefins patent cases promise to involve extensive litigation	Nov. 7	22
H.C.E. Johnson	Aug. 15	13	Laboratories - Small labs weigh new pay plans	Aug. 15	35	Presidential politics will dominate every legislative action when Congress reconvenes in January	Sept. 19	45
Cutter struck	Oct. 10	80	Leagues	Aug. 8	52	Price-fixing suit against Ciba, Geigy, Sandoz and Toms River ended last week	July 18	34
Cutter suit	Dec. 19	46	Metallizing lacquers	July 25	92	Product liability cases and claim settlement size are increasing (charts)	Oct. 3	63
Dow contract approved	Aug. 1	67	Sales and production in May	Aug. 8	68	Quebec Lithium filed breach-of-contract suit against Lithium Corp. of America.	Sept. 19	19
ESA stock buying fund	July 25	83	Lactic acid - Purification			Radiation damage suit	Dec. 5	94
Esso TV topic: unions	Dec. 19	24	Laminates - Plastic laminates' spectrum of uses (table)	Dec. 19	65	Rubber Manufacturers Assn. and 10 of its members were fined for violation of the Sherman Anti-trust Act	Nov. 21	47
Fared better at the bargaining table than in Congress	Aug. 22	27	Lampreys - 4-nitro-3-trifluoromethylphenol is being used in eradicating lampreys	Sept. 5	94	S.C. air pollution hearing	Oct. 3	90
Foremen's pay viewed	Oct. 24	78	Latin America - Political, economic factors barring the way to chemical industry development, U.N. report states	Aug. 8	20	South Carolina sales tax suit	Dec. 12	102
GAF boost	July 18	84	Laundries - Self-service spurs laundry-specialty sales	July 25	89	Spokane on legislation - Viewpoint	Nov. 7	10
Great Lakes settlement	July 25	86	Law	Oct. 24	67	Spawack motion denied	Aug. 1	66
Hard-bargaining CPI takes cue from steel (table)	Dec. 19	43	Advertising practices	July 18	84	Sterling's right to manufacture and sell its pink Pepsamar upheld by court of appeals	Dec. 5	92
Herzules Powder - Rocky Hill's, N.J. plant employees voted for ICWU representation	Dec. 26	42	Alabama water pollution bill	Oct. 24	67	Supreme Court decisions important to CPI industries: labor issues	Oct. 24	34
Hike without contract at V-C's Bartow, Fla., plant	Dec. 5	94	Alkyls patent infringement suit	Oct. 17-20	Nov. 7-23	Supreme Court to test compulsory union membership	Oct. 17	110
House and Senate conferees must close a big gap on the labor bill	Aug. 22	27	American Viscose pollution suit	Sept. 19	96	Tax relief hassle	Sept. 5	98
Mumble contracts	Oct. 17	110	Antibiotics hearing - testimony concerning high-level negotiations on tetracycline	Nov. 28	47	Texas liquid chlorine price-fixing suit ended with six chemical companies paying penalty	Sept. 19	19
ICWU - local members are studying proposals for the Cleveland convention	Aug. 22	46	Antibiotics price-fixing case	Sept. 19	19	Trademark infringements: one hair treatment suit and two drug suits	Dec. 26	42
ICWU, OCAW conventions approve new drives to add members, bolster sagging finances	Oct. 17	99	Antibiotic suit: act 2	Sept. 26	26	Tranark infringement suit filed by Staley against Packers' Laboratory	Oct. 10	80
ICWU organizers have organized themselves into an independent union, International Chemical Workers Representatives Assn.	Dec. 26	42	Antidumping law regulations have been challenged by the U.S. Court of Customs & Patent Appeals	Nov. 21	34	Triennial of five polio vaccine producers on price-fixing charges opens in Trenton, N.J.	Oct. 24	28
IUD's third convention to be held in Washington - programs will be devised to offset the hardened attitude of employers	Sept. 5	103	Appeals court refused to grant an injunction against aerial spraying of DDT	Oct. 10	18	U.S. Supreme Court gets down to cases next week	Oct. 10	40
Imperial Chemical Industries Ltd. made an agreement for a 42-hour week	Nov. 21	47	Bayer Aspirin suit filed by Northeastern supermarket chain	Nov. 28	132	Unfair competition suit dismissed - Ritchie vs. Ponds	Sept. 26	104
Intermountain's Trona plant signed a two year wage agreement	Nov. 21	47	Bayer trademark suit	Oct. 24	30	Upcoming Supreme Court ruling will determine how railroads may operate trucking lines	Oct. 31	50
Jurisdictional decision	Oct. 10	82	"Big Three" soap makers have won another round in the antitrust suit	Aug. 22	17	Upjohn is defending Ohio's new "fair trade" law	Oct. 24	67
Louisville, Ky., labor merger	July 11	78	Biggest factor in getting legislation through Congress is the President of the United States	July 25	37	Lead - Import - tightening of quota considered	July 11	32
Maintenance men's ability predicted	Aug. 29	125	Carolina "fair trade"	Dec. 19	48	Libby, Willard - Unveils new radioactive fallout detection device	Sept. 5	72
Monsanto switch	Sept. 12	97	Carter's Little Liver Pills - review of advertising practices denied	Nov. 21	47	Lime - Production in '58 dropped 10%	Aug. 29	114
NLRB decision may affect future no-raiding agreements between unions	Dec. 5	97	Cloud-seeding decision in Texas	Oct. 25	84	Literature - Machine searching and translation of scientific and technical literature is a top assignment at the U.S.S.R.	Sept. 26	38
National Carbide Co. prevented a strike at Louisville, Ky.	Aug. 22	48	Color rule	Oct. 10	80	Lithium		
New labor law strictly limits union officials' power over union members	Nov. 21	47	Corporate scoreboard - outlook for CPI-significant bills	July 25	34	Aircraft has been built with a skin made of a new lithium-aluminum alloy	Nov. 28	58
OCAW convention in Cleveland - a threat to void an interunion jurisdictional agreement marked the closing hours	Sept. 12	43	CORPUS Rectifying Co. cleared of trade-secrets charges	July 4	68	n-Butyl lithium prices	July 11-83, Aug. 1-51	
OCAW International Union (AFL-CIO) has set up a special administrative and service structure for its Canadian district	Oct. 17	19	Current run of litigation against drug companies won't make it easier for the industry at the Kefauver committee's probe	Oct. 31	17	Dense research is under way on use of lithium compounds in rocket propellants	Sept. 12	18
OCAW lists agenda for Cleveland convention	Aug. 8	60	Delmar cleared of fraudulent advertising of weight-reducing capsule	Sept. 26	104	LCA to pull up stakes at Minneapolis, will move all manufacturing to N.G.	Aug. 15	26
OCAW members at Sugar Creek, Mo. sentenced to jail terms for contempt of court	Sept. 19	94	Drug firms may be prosecuted by the FDA for selling amphetamine to "bootleggers"	Nov. 21	47	Purification technique reduces corrosion-causing lithium impurities	Oct. 24-71, Nov. 21-166	
OCAW ordered a strike vote of milling workers	Nov. 7	58	Drug prices	Oct. 31	17	Texas Gulf Sulphur to share in the lithium market?	Oct. 3	24
Oil strike	July 4	68	Drug prices defended	Oct. 31	17	U.S. and Canadian companies clash over sudden cancellation of purchase agreement	Sept. 5	29
Olin agreement	Oct. 31	41	Du Pont can keep its GM stock, but must give up voting rights, Judge La Bay rules	Oct. 10	33	Louisiana - CPI management builds political defenses against tax-hungry state and local governments	Dec. 26	21
Outside contractors	Oct. 24	68	Du Pont-GM case - reversal of La Bay's ruling asked by Justice Dept.	Oct. 17	35	Lubricants		
Paper pact	Nov. 21	47	Du Pont-GM antitrust case - legislation to aid Du Pont stockholders faces a new roadblock	Oct. 17	35	Free-piston lube	Sept. 12	113
Paper strike in S.C.	Oct. 24	67	Du Pont-Protek trademark suit	July 18	33	Glass mold lubricant	Nov. 14	88
Phosphate results in Florida	Aug. 22	48	FTC has appointed a "Robinson-Patman task force" to promote compliance with equitable trade practices	Oct. 17	108	High-temperature lubricant	Oct. 3	60
Phosphate settlement	Sept. 12	96	False-advertising charges against exterminators	Nov. 21	34	Hydraulic oil	Nov. 28	73
Phosphate ultimatum	Aug. 15	47	Firemen's suit against Charlotte, N.C. chemical concern	July 25	84	Jet lubricant contracts with AF	July 11	69
Potash settlement	Oct. 10	80	Florida curb on toxic sprays	Oct. 3	92	Polyolefin wax	Sept. 12	113
Radiation education	Sept. 12	72	Florida pollution drive	Oct. 17	108	Synthetic grease	Sept. 12	113
Rubber hike	Oct. 17	110	Interstate odors	Aug. 15	47	Teflon bearings eliminate auto chassis lubrication	July 18	77
Rubber negotiations are coming up	July 18	84	Jennie-Genie trademark fight - U.S. court of appeals in S.F. suspended the injunction against sale of Genie in 14 Western states	Sept. 19	96	Machine searching conference at Cleveland	Sept. 26	38
Rubber talks	Sept. 19	98	Justice Dept. to ask Supreme Court to reverse La Bay's ruling on Du Pont-GM antitrust case	Oct. 17	20	Machines - Packaging machinery show features high-speed units to meet most specialty packaging needs	Nov. 28	65
Robell Chemical strike ends after 2½ years	Dec. 12	102	Labor law - how it would alter CPI's bargaining outlook	Oct. 17	35	Magnesia - High-purity periclase from sea water	Oct. 3	81
Secondary boycott charges	Sept. 26	106	Labor law strictly limits union officials' power over union members	Aug. 29	39	Magnesium		
Solution for steel - Viewpoint H.C.E. Johnson	Oct. 17	16	Land appropriation suit	Sept. 12	43	Canada may produce magnesium and bromine from oil field waters	Dec. 12	76
Stauffer settlement at Louisville, Ky. plant	Dec. 19	46	Lease-back losses	Sept. 19	96	Magnesium oxide content in portland cement tested for quality control by using radiotopes	Aug. 8	71
Stauffer strike at Louisville, Ky.	Dec. 5	97	Legislation of particular interest to CPI. Lithium suit looms	Oct. 24	64	New developments	Aug. 29	42
Steel layoff	Oct. 10	80	Manufacturer of chemical coolant in liability suit	Sept. 5	29	Output	Sept. 12	99
Steel referendum - workers response will be significant in interpreting results	Dec. 26	28	Melpar vs. Scofield - trade secrets suit	Aug. 29	108	Maintenance		
Steel settlements with Carbide	Dec. 5	18	Negligence suit against Helene Curtis dismissed	Aug. 8	60	AF has come up with novel way to evaluate and predict performance - the Markov process	Aug. 29	125
Steel strike affects chemical stock prices	Aug. 29	17	New testimony at FTC's tetracycline hearings in New York	July 18	86	Airfield maintenance has built a \$3.5-million year business for makers of sealants	Sept. 5	55
Steel strike hits chemical supplies (charts)	Sept. 5-18	47	Oklahoma's "fair trade" law is unconstitutional	Oct. 24	30	History-saving specialties help the		
Steel strike's impact on unemployment is negligible so far - the effect of the strike will be inflationary	Sept. 26	29	Oregon court decision in paint fume damage suit	Dec. 5	92			
Steel strike - some effects felt by CPI	Aug. 17	23	Oregon court decision makes trespassing a factor to be reckoned with in air-pollution cases	Aug. 29	108			
Steel strike takes chemical toll	Aug. 22	19	Owens-Corning - application for modification of court order has been denied	Aug. 15	47			
Strike on the inland waterways is slowing chemical traffic	July 11	18	Owens-Corning asks for modification of court order that prevents it from being in a competitive position with other manufacturers	Dec. 12	104			
Supreme Court decisions important to CPI industries	Oct. 24	34	Pesticides - legislation affecting manufacturers is being considered by H-E-W	Nov. 28	132			
Teamster rebuff in Florida	July 18	84	Pharmaceutical companies are holding	Aug. 8	60			
Two refinery strikes against American Oil Co. show no signs of approaching settlement	Nov. 14	99		Dec. 26	27			
Union Carbide Nuclear Co. offered wage increase to atomic energy plant workers at Paducah, Ky.	Oct. 31	41						
United Glass Workers seek hearing before the NLRB	July 11	78						
Varum Chemical employees get wage increase	Sept. 19	98						
Viscose settlement	Aug. 1	66						
Wage contracts	Sept. 26	104						
Wages - Ohio Valley	July 11	74						

Smithsonian Institution to keep its exhibits in good shape	Aug. 8	47	Manganese - Government's purchase program is dead	Aug. 1	28	Molybdenum - Powder for commercial use in alloys developed by USBM	Oct. 3	72
Instrument contract maintenance debate at Du Pont	Sept. 5	63	Manpower, technical			Monazite - Capacities of U.S. processors (table)	Sept. 19	120
Plant management problems you won't find in the operating manual	Dec. 26	38	Blind workers, but business as usual in Swedish CPI plant	Nov. 7	53	Monobromotrifluoromethane - Fire extinguishers	Aug. 29	114
Reinforced isopolyester resins for plant maintenance and repair (table)	Aug. 22	54	CPI scientists and engineers shun collective bargaining, want professional societies to take bigger role (chart)	July 4	66	Mosquitoes - Organic phosphate insecticides tested in New Jersey - may challenge DDT	Sept. 19	49
Statistical analysis of equipment and systems failures offered by FE	Aug. 8	31	Career guidance plan discussed by DCLC	Oct. 10	78	Mothproofing - Bacteria-killing cakes sold under the Puratized trademark	July 18	68
Taking the paperwork out of maintenance - new system gives repair costs at a glance	Oct. 10	87	Executive income - 38 chemical company chief executives took pay cuts as sales dropped in '58 (chart)	Oct. 24	63	<b>Motors</b>		
Malaya - Chemical investment opportunities	Sept. 19	59	Foremen's pay viewed	Oct. 24	78	DC and ac. motors	July 18	50
Maleic acid - Outlook for '60 (table)	Dec. 19	24	Information upgrading	Sept. 26	72	New motors	Aug. 15	54
	Dec. 26	73	Missile employment - new report by the Labor Dept.'s Bureau of Employment	Aug. 29	127	Starter	Sept. 19	74
<b>Maleic anhydride</b>			Security			Murphy, Walter - Editorial director of ACS's applied publications dies at the age of 60	Dec. 5	24
Facilities are being built on the East and West Coasts despite predictions of overcapacity	Dec. 26	18	Nuclear training	Oct. 17	39			
Indian researchers produce maleic anhydride from benzene	July 18	42	Pentagon - another 227 top science jobs will be created	Sept. 26	104			
More capacity coming	July 25	33	Research and development staffers are best source of new-product ideas, sales-force members rank a close second (table)	July 25	37	<b>N</b>		
Overcapacity expected by '61	Aug. 8	81	Retired executives hired for full-time jobs	Nov. 14	111	<b>Naphthalene</b>		
Prices	Sept. 5	87	Small labs compete for researchers by higher pay, greater freedom	Nov. 14	83	First to be pinched by steel strike	Sept. 5	47
Said to be in tight supply	Oct. 24	24		Aug. 15	35	Imports (charts)	Oct. 17	43
West Coast's first plant will go up by mid-'60	Aug. 22-17	51				Outlook for '60 (table)	Dec. 26	73
<b>Manufacturing</b>			<b>Manufacturing Chemists' Assn.</b>			Synthetic naphthalene from petroleum may soon be a reality	Nov. 21	171
Allied and Monsanto - changes at the top	July 4	24	Gets a generally negative response from U.S. chemical companies to open their plants and laboratories to a delegation of 19 Soviet chemists	Aug. 22	18	Naphthenes - Possible jet fuels	Aug. 15	57
Auto fleet leasing gains favor with sales management (tables)	Dec. 26	53	Ninth semiannual meeting in New York will discuss international operations	Oct. 24	24	National Academy of Sciences - Recommendation for disposal of radioactive wastes	Sept. 12	90
CPI scientists and engineers shun collective bargaining, want professional societies to take a bigger role (chart)	July 4	66	Ninth semiannual meeting sets up special international operations group, headed by Oronite's Ted Hughes	Dec. 5	25	<b>National Bureau of Standards</b>		
CPI sees progress in likely labor law	Aug. 29	39	Markov process - novel way to evaluate and predict performance of maintenance men	Aug. 29	125	Radioactivity Section has three new gamma-ray radioactivity standards available	Oct. 17	78
Celanese reorganizes	July 25	84	Max Planck Institute - Cyclododecatriene process	Sept. 5-42	Oct. 3-50	Reports on cryogenic engineering studies	Sept. 12	72
Chemical union's venture into stock buying via new mutual fund	July 25	83	Mellon's Chemical Hygiene Fellowship - Moved into new building at Bushy Run, east of Pittsburgh	Oct. 3	103	Tritium-labeled sugars	July 11	66
Chemstrand is turning over management of its Coleraine, Ireland, plant to nationals	Aug. 29	105	Metal Mining and Industrial Minerals - Convention of the American Mining Congress Denver meeting spotlights developments in chemical and nuclear explosives	Sept. 26	79	'National Chemical Distributors' Assn. - Distributors debate merits of national group	Sept. 5	77
Credit and sales managers voiced concern over slowdown in the payment of bills	Oct. 10	99				National Conference on the Application of Electrical Insulation - Meeting in Washington points up the progress in research to develop plastic laminates for extra-hot uses (table)	Dec. 19	65
Disaster handling - how to ally effects of plant accidents	July 11	76				National Foreign Trade Convention - Traders discuss new transportation techniques; marine insurance; "regionalization" at meetings	Nov. 28	96
Distributors tell their top marketing problems	July 4	63				<b>National Industrial Conference Board</b>		
Embryo company preorganizes for growth	Aug. 1	63				Seventh Annual Marketing Conference	Oct. 10	102
Esso TV topic: unions	Dec. 19	24				told how to increase efficient selling time	Sept. 12	93
Esso's Bayway Refinery celebrates 50th anniversary	Sept. 26	96				Study of taxes	Oct. 10	102
Executive income - feeling impact of the '58 dip (chart)	Oct. 24	63				National Management Assn. - Detroit members told how executive's wives can ease spouses' job burdens	Nov. 7	56
Executive's wives can ease spouses' job burdens	Nov. 7	56				National Paint, Varnish and Lacquer Assn. - Annual meeting at Atlantic City, N.J. - easy-to-use resin formulations highlight paint and varnish makers' show	Oct. 31	63
FMC first winner of Kirkpatrick Award - streamlined management structure sets fast chemical growth pace - report (tables)	Oct. 3	36				National Safety Council - Figures now available for '58 - CPI safety mark isn't as good as '56 record (chart & table)	Aug. 1	34
FMC, Kirkpatrick Award winner - Carl Prutton explains his firm's view of management's basic tasks - Viewpoint H.C.E. Johnson	Dec. 5	14				National Sanitation Foundation - First national Congress of Environmental Health at Ann Arbor, Mich. discusses use of "nonapproved" plastic pipe	July 11	83
Foreign relations course prepares chemical executives for overseas posts	Aug. 22-18	57				National Science Foundation - Criticized for dragging its feet on development of a manpower register	Sept. 12	44
Hard-bargaining CPI takes cue from steel (table)	Dec. 19	43				<b>Natural gas</b>		
Humble Oil & Refining's reorganization move involves extensive personnel changes	Dec. 12	43				Coal-gasification plant started operation at Russia's Angrenskii coalfield	Dec. 5	70
Monsanto tests its salesmen in manager's role	Aug. 1	38				Crude products from natural gas for chemical conversion - production increased 15%	July 18	77
Moonshine, animals, insects, odd equipment are among plant manager's offbeat problems	Aug. 22	54				Cycling and desulfurization plant planned at New Hope Smackover Field, Tex.	July 11	40
Paudler Permutit is making an aggressive move to turn its Chemical Sales Dept. into potent specialties seller	July 18	63				Eastern oil shale may be a source of gas FPC was asked to approve import of Canadian gas	Oct. 31	28
Plant site patterns changes as management turns South and West (map & table)	Nov. 21	38				New push to ease federal controls will be made by the petroleum industry	Oct. 24	33
Practical politics course for management	Aug. 22	44				New Orleans - Water link to Gulf will spur CPI development (map)	Dec. 26	41
RCI bolsters its communications system to provide centralized guidance for decentralized plants	Oct. 17	65				<b>New York City</b>		
Realignment of Cyanamid International's management (map)	Aug. 1	23				Chemshow report: where to go in New York	Nov. 21	79
Research and development staffers are best source of new-product ideas, sales-force members rank a close second (table)	Nov. 14	111				Museum of Modern Art displays the fine art of specialty packaging	Sept. 26	59
Research management idea: "outside" advisory boards	Sept. 5	91				New York University - College of engineering's research division has dedicated a new building	Nov. 28	84
Stauffer-Victor merger: formula for a blend (chart)	Dec. 12	94				Niagara - CPI industries are watching water diversion fight	Sept. 12	44
Survey pegs management's voice in purchasing decisions	July 25	51				<b>Niagara Falls</b>		
Television used to air stockholders meeting to seven cities	Nov. 14	91				New power allocations to 13 companies	Oct. 10	18
Texas - annexation of taxable properties pith management in a quandary	Dec. 12	98				New problems for Niagara power users (table)	July 4	39
Texas and Louisiana management build political defenses against tax-hungry state and local governments	Dec. 26	21				Niagara Frontier - Banking heavily on power (charts)	Nov. 28	46
Texas management gears for increasing political action	Nov. 28	132				Nickel - Freeport's contract with the government has again become a matter of controversy	July 25	38
Texize Chemicals is rapidly becoming a strong factor in the household cleaning field (chart)	Nov. 28	66				<b>Nitrogen</b>		
Toiletries maker draws executives from ranks of the retired	Nov. 14	83				Canadian plant will put capacity above anticipated domestic demand	July 18	27
Union chiefs seek strategy for strength - ICWU and OCAW held conventions in Cleveland	Oct. 17	99				Fatty nitrogens	Aug. 1	49
U.S. Borax reorganizes along functional line	Sept. 19	92				Increase in nitrogen capacity probable? New unit in operation at Mobay's plant at New Martinsville, W.Va.	Nov. 28	60
Virginia-Carolina Chemical - more management changes	Dec. 12	100				Nitrogen oxides - Catalytic cure for nitrogen	Dec. 19	62



oxides in automobile exhaust suggested by FIL	Dec. 5	69	New York show features high-speed units to meet most specialty packaging needs	Nov. 28	65	Multipurpose chemical plants for development and diversification of petrochemical products	July 18	59
Nitrosyl chloride	Sept. 12	48	Pad - Vibration-absorbing pad	July 4	41	Oil company mergers are creating bigger and better springboards for petrochemical ventures	Sept. 12	17
Nitrous oxide - Puremade Products increased its nitrous oxide capacity	Dec. 12	90	<b>Paints</b>			Operations are fanning out northward	Nov. 14	19
North Carolina - Fair-trade act - State Attorney General calls for the act's repeal	Dec. 12	42	Agent prevents loss of gloss while paint film is drying	July 18	68	Production of crude products from petroleum and natural gas for chemical conversion increased from '57 to '58	July 18	77
Notation systems - Final screening July 4-8, - letter Aug. 15-13	Aug. 29	15	Automobile finishes (table)	Oct. 3	84	Tidewater is about to become big in petrochemicals	July 18	17
<b>Nozzles</b>			Citrus peel oil-base paint	Sept. 26	64	U.S. companies in Mexico are jarred by earthquakes, political shocks	Sept. 5	29
Polyethylene nozzle	Oct. 31	66	Dynakote, oil-free baking finish based on a cross-linked vinyl copolymer	Dec. 5	45	Untapped petrochemical treasures - report (charts)	Aug. 8	39
Rubber spray nozzles	Aug. 8	36	Easy-to-use resin formulations highlight Paint Industries' Show	Oct. 31	63	<b>Petroleum</b>		
<b>Nylon</b>			Expansion in Central America discussed by businessmen in San Salvador	Nov. 7	17	Crude products from petroleum for chemical conversion - production increased 15%	July 18	77
Dyes for nylon	Sept. 19	54	Fire-resisting paint	July 18	68	Magnesium and bromine may become companion products of Canadian crude oil.	Dec. 12	76
Lineup of nylon 6 and nylon 66 producers (table)	Sept. 26	22	Granular paint stripper will be introduced to the U.S. auto industry	Sept. 12	113	Molecular sieves' jobs	July 11	38
Nylon-nylon tussle for tire-cord markets is getting even hotter	Sept. 26	19	Latex-base house paint	Sept. 5	58	Oil-from-coal synthesis plant being built in India	July 4	44
Sparkling nylon will appear in retail hosiery	Sept. 26	80	Medium oil-length alkyl resin based on linseed oil offered by Dutch firm	Sept. 12	113	Petrowax makers face tough competition (chart & tables)	Aug. 8	91
U.S. tire-cord market is sparking CIL's interest	Aug. 15	67	Metal primer	July 18	66	Residual fuel oil imports increased 5%	Dec. 26	28
			Paint and varnish makers will likely get lower freight rates	Nov. 28	73	Petrowax - U.S. petrowax outlook (chart & tables)	Aug. 8	91
			Public relations program by paint company puts fresh face on Old West town	Oct. 10	77	<b>Pharmaceutical Manufacturers Assn.</b>		
<b>Offices of Saline Water - Personnel changes Ohio - Banking heavily on power (charts)</b>	Nov. 28	52	Sales and production in May	July 25	92	Hires Hill & Knowlton, public relations firm, in preparation for the coming drug price investigation	Nov. 21	33
	Nov. 28	45	Zinc oxide in exterior polyvinyl-acrylic paints improve tint retention and mildew resistance	Oct. 10	46	Spearmaking the industry campaign to demonstrate the value of today's drugs	Oct. 24	34
<b>Ohio River Valley</b>			<b>Pakistan</b>			<b>Phenol</b>		
Chemical plants may face new pressures to improve waste water treatment	Dec. 12	44	Private investment gets government boost under new five year plan	Nov. 28	46	New producer at Houston, Texas	Nov. 21	181
Valley communities plug anew for chemical plants	July 11	73	Will import 150,000 tons of chemical fertilizers in 1959-60	Oct. 17	95	Outlook for '60 (table)	Dec. 26	73
Ohio River Valley Water Sanitation Commission - Annual report outlines plans for intensive pollution control measures	Dec. 12	44	<b>Paper</b>			Radiation method of making phenol from benzene, according to the Russians	July 18	60
<b>Oils and Fats</b>			Cyanoethylated kraft paper	July 25	80	Phenolic resins - Prices	Dec. 12	110
African daisy oil getting close study as source of oil for paints, plastics, lubes	Dec. 12	58	Cyanoethylation of kraft paper for use as insulation in transformers	Aug. 15	61	Phenylpropanolamine hydrochloride - Prices	Nov. 21	182
Liquid/solid ratio of fats may be determined by new analysis system	Nov. 21	158	Dye for paper called Green MX Liquid	Aug. 15	61	Philippines - Chemical outpost in the Far East - nationalism threatens trade ties (map)	July 18	81
Low-grade vegetable materials are used for a variety of commercial products; gasoline and dye from pine needles reports Red China	Oct. 31	76	Hardwood newspaper	Oct. 31	74	<b>Phosphates</b>		
Soluble cutting oil	Oct. 17	54	Later for paper coatings	Sept. 12	113	Florida air-pollution cleanup is lesson in community relations	Oct. 3	89
Synthetic instrument oil	Oct. 17	54	Six U.S. and Canadian producers are launching multimillion-dollar expansion projects	Aug. 1	22	Interest in phosphate mining in northern Utah	Oct. 31	18
Tall oil-derived fatty acid for floor polishes	Dec. 19	70	Vacuum-coating aluminum on paper	Aug. 22	63	Mergers of Stauffer and Victor will integrate major phosphorus operations (table)	July 18	26
<b>Olefins</b>			Wax consumption (table)	Aug. 8	92	Organic phosphate insecticides may challenge DDT for mosquito control	Sept. 19	49
Fluidized-bed cracking process	Nov. 14	125	Paraffins - Improved solvent dewaxing process to keep up with growing demand for high-grade paraffins	Aug. 8	63	Phosphating compound	Oct. 10	50
Output boost	July 4	23	<b>Patents</b>			Phosphorite - Deposits of phosphate rock discovered in the Pacific near San Diego, Calif.	Sept. 26	89
Propylene will be a major olefinic raw material by '65 - report (charts & tables)	Nov. 14	53	Animal glue patent	Oct. 10	48	Phosphors - Dashboard lamps for the automotive industry	Sept. 12	78
<b>Organic Chemicals</b>			Chemical reaction that directly forms filaments, films, tubes revealed by Du Pont	Aug. 8	71	Phosphorus - Rotating electric furnace process chalks up a record	Dec. 12	78
CPI - et researchers check the score government-compiled statistics	Nov. 7	33	Differences in policy among federal agencies: on Defense Dept. R&D contracts, on AEC contracts, on NASA contracts	Dec. 19	29	<b>Photography</b>		
Need... more of the same - Viewpoint H.C.E. Johnson	Oct. 24	101	Five antibiotics companies will be defending their reputation in New York in a FTC proceeding	Oct. 10	36	Automatic process exposes and develops photographic plates	Nov. 28	120
Nonacid descaler	Nov. 28	74	Foamed metal - patent has been withdrawn	July 4	44	Color captures research realism - letter	July 4	12
U.S. Budget Bureau is eyeing statistics put out by the Tariff Commission and may recommend the job to be done by Bureau of Census	Oct. 24	81	Latest company to let an outside firm exploit its unused patents is S.C. Johnson & Son	Aug. 1	43	Photonuclear research	Sept. 12	46
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Liquefied petroleum-gas sales in '59	Dec. 19	61	Phthalate esters - Shortage due to steel strike	Oct. 24	81
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Patent Office is building up its Russian patents file	July 25	38	<b>Phthalic anhydride</b>		
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Pigment patent	Oct. 3	56	European phthalic of low quality	Oct. 24	81
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	- letter	Nov. 28	32	Fluidized process eliminates long-standing problems of fixed-bed processing	July 18	37
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Platinized titanium electrodes - patents may be difficult to obtain	Dec. 26	50	Imports (charts)	Oct. 17	43
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Polypyrrole patents overseas (table)	Nov. 7	22	Japanese plant will employ catalytic air-oxidation of naphthalene	July 11	40
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Productivity surprise in patent scorecard (chart)	Aug. 8	48	O'Connell's resignation may bring about a switch in Amoco's pricing policy	July 25	97
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Recently issued U.S. patents	Oct. 10	45	Prices	July 18	77
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Spovack patent reveals three ways to save on heavy-water output	Sept. 19	106	<b>Pigments</b>		
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Titanium dioxide patent	Dec. 12	53	GAF divorces pigment sales from dye sales, keys pigment sales push to research	Dec. 5	61
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Pauling, Linus - Suggests strontium-90-free calcium as fallout-folting dietary aid	Sept. 5	55	Thermoplastic melamine-sulphonamide-aldehyde pigments used to impart fluorescence to paints - Canadian patent	Oct. 3	56
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	<b>Pavement</b>			<b>Piping</b>		
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Asphalt research is paying off with new products for paving (table)	Sept. 19	51	Dry pipe dope	Aug. 22	56
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Sealants for airfield paving must resist high temperatures, jet fuels	Oct. 31	60	European pipeline systems	Sept. 19	20
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Peanuts - FDA proposal to change peanut butter standards is troubling makers of the product	July 18	60	Fittings for joining grooved-end pipe	July 25	106
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	<b>Penicillin</b>			Hatted rubber pipe	Aug. 15	54
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Oral penicillin named Syncillin; Maxipen penicillin	Oct. 24	71	Oil from Midwest and Africa to start flowing from the Mediterranean through France to West Germany (table)	Sept. 1	37
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Synthetically modified penicillin, trade named Maxipen	Aug. 29	117	Oil pipelines planned from the Mediterranean to Bavaria, from Genoa to Switzerland and from Venice to Munich	Aug. 29	44
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Pentaerythritol - Production is expected to rise (chart & table)	Oct. 24	101	Plastic pipe marketers get a break	July 25	97
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	- letter	Oct. 31	59	Plastic pipe not bearing the NSF seal branded a potential health hazard	July 11	83
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Peracetic acid - Epoxy derivatives	Oct. 17	53	Plastic pipe use approved by five states. Preassembled flanges	Oct. 17	95
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	<b>Perfumes</b>			<b>Plant Location</b>		
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Sales down 4% from '57	Sept. 26	30	Acrylic emulsion capacity expansion reflects move to put plants near South and Far West markets (chart)	Dec. 19	37
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Synthetic perfumery ingredient	Nov. 28	47	Beaumont, Tex., envisioned as a key chemical center of the future	Oct. 24	26
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Permanent waving - FDA recalls product from the market	July 18	28	California location for government's second water desalting plant	July 25	80
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	<b>Petrochemicals</b>			City dweller heads for the country life	Oct. 31	39
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	European developments	Nov. 28	47	City of Orange, Tex., annexes strip around Chemical Row as buffer	Nov. 7	57
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Japanese producers team up for expansion (table)			Delaware Valley petrochemical ventures	Nov. 14	20
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Mexican Congress is expected to act on a bill that would reserve a number of petrochemicals for production only by Pemex					
U.S. Tariff Commission should continue to compile government data on synthetic organic chemicals, says CMRA	Nov. 21	181	Mexico is ready to launch its petrochemical program					



Freeport, Tex. will be the location of government's first water desalting plant	July 25	79	Works	July 11	40	(table)	Nov. 7	22
Interest as chemical producing region	Oct. 24	64	Poison Ivy - More on poison Ivy - letters	Aug. 15	15	"Planned" staple fiber production is	Nov. 14	19
Management turns South and West in search for new plant sites (map & table)	Nov. 21	38	Aug. 1-9, 11			promoted by Industrial Rayon Corp.	Oct. 1	23
New Orleans waterways growth hastens industrial expansion (map)	Dec. 26	41	Poland	Aug. 8	68	Propylene for AvSun	Aug. 3	81
Ohio River communities sponsor two-day tours to draw chemical companies to the region	July 11	73	Aluminum oxide found in a seam of clay	July 4	25	Texas Eastman started commercial production at Longview, Tex.	Dec. 19	19
Rush to watersheds	Nov. 14	94	Synthetic rubber expansion			Will hurtle into the top rank of plastics by '61		
Savannah: deepwater lure draws the CPI (map)	Nov. 28	123	Poliomyelitis	Sept. 5	71	Polystyrene	Nov. 21	195
Sulfur mine seven miles at sea	Nov. 28	102	Live polio vaccine may be licensed for production	Aug. 8	72	Cold-formed polystyrene vies for a foothold in packaging industry	Nov. 28	47
Top CPI states (table)	Oct. 24	27	Oral polio vaccine, Sabin	July 18	72	Monsanto expands its facilities with eight new plants	Sept. 26-89	Oct. 17-96
Plants			Oral vaccine expansion	Oct. 24	28	Prices	Sept. 26	19
CPI production comes from more than 14,000 plants (table)	Nov. 21	40	Salk vaccine makers face the jury	July 4	43	Shell and Cyanamid plan to produce polystyrene at Wallingford, Conn.	Sept. 5	55
New plant and equipment expenditures - financing problems ahead? (charts)	July 25	31	Single-dose oral polio vaccine			Polysulfide - Sealants to minimize airfield maintenance	Sept. 19	124
Operations research in plant design has been recommended by Stanford Research Institute	Dec. 19	52	Pelishes	Nov. 21	187	Polytetrafluorethylene - imported resin, trademarked Fluon CDI	Oct. 10	90
Sharp hike in outlays for next year (chart & table)	Nov. 14	39	Aerosol's stem tide of lagging polish sales - letter	Dec. 26	13	Polyurethane	Aug. 8	48
Tax hearings disclose that half of today's chemical plants will be obsolete in 10 years	Dec. 12	47	Aluminum-silicon polish	Oct. 17	54	Foamed-in-place polyurethane simplifies valve insulation	Sept. 19	52
Top CPI states (table) Oct. 24-27	Oct. 31	18	Auto polish in squeeze container	Sept. 12	115	Mold release	Nov. 28	54
War-gas plant at Azusa, Calif., goes on the auction block	Dec. 19	56	Emulsion for floor polishes	Nov. 28	74	Portable system for spraying polyurethane foams	Oct. 10	90
Plastic Film			Floor polishes of tomorrow described at CIMA meeting	Dec. 19	70	Sales outlook for polyurethane foams is for continued strong growth during the next five years (chart)	Aug. 8	48
Mylar patents expire in '61; new manufacturers prepare to step into production of polyester films (chart)	Dec. 12	85	Met-L-Glo, polish in a pad	July 11	98		Nov. 28	54
Polypropylene may be used for magnetic-tape recording and may be a contender for Mylar's tape markets	Dec. 19	61	Plastic window cleaner	July 11	96	Polyvinyl alcohol	Oct. 10	95
Polyethylene packaging film sales are booming	Sept. 5	88	Polymer-emulsion-type polishes - letters	Aug. 8	12	Expansion	Aug. 8	68
Teflon fluorocarbon resins	Sept. 26	80	Wax for nonwax finishes	July 25	92	New and growing markets spur expansions (tables)	Oct. 31	53
Tetrahydrofuran-based film	Oct. 17	73	Politics			Polyvinyl chloride - U.S. Rubber will expand capacity 30%	Dec. 19	19
Plasticizers			Advance look at the probable GOP platform for '60 can be gained from report	Oct. 17	40	Potash	July 25	98
Dialkylphosphonates - new plasticizers prepared by USDA chemists	Sept. 26	80	Are companies plunging into political action courses too fast? - Some comments by Charles P. Taft - Viewpoint H.C.E. Johnson	Sept. 12	10	Canada will likely be a major supplier for seeds in '60	July 11	87
Low-odor plasticizers	Aug. 8	52	- letter	Oct. 24	101	Co-op, Canadian competition trouble U.S. producers	July 4	64
Two new plasticizers for vinyl resins	July 26	94	Practical politics course for management	Aug. 22	44	Imports shift	Aug. 8	82
Plastics			Texas and Louisiana management are spurred to political action by tax threat	Dec. 26	21	Potash-via-pipeline idea considered impractical	July 4	53
Alkyd-based liquid plastic allows in-place tinting of windows	Sept. 19	51	Texas management gears for increasing political action	Nov. 28	132	Prices	Nov. 28	100
Bottles and containers - Celanese takes its first step into the plastics fabrication field	Dec. 12	42	What price politics? - Viewpoint H.C.E. Johnson	Dec. 19	10	Saskatchewan production is at a standstill due to problems created by corrosive underground waters	Nov. 7	73
Bowls hot off the mold at Macy's in New York	Sept. 19	50	Polyacrylics - Copolymers have shown promise as cancer inhibitors	Sept. 5	71	Powders - Gas sterilization of powders goes on line	July 18	40
Cold-formed polystyrene vies for a foothold in packaging industry	Nov. 21	195	Polybutadiene	July 18	53	Power	Nov. 7	70
Dust-repellent plastics	Sept. 12	115	Cis-polybutadiene moves out of pilot-plant stage (chart)	July 18	77	AC moves into control	July 25	45
Fiber-glass-reinforced plastic filter	Aug. 8	36	Cis-polybutadiene prices	Aug. 1	52	Electric power can be generated directly from hot gases in a magnetohydrodynamic generator	Nov. 28	45
Foundation for formalin growth (chart & tables)	Sept. 12	103	Polybutene - Liquid polymer polybutene capacity doubled by Cosden	July 18	52	Full cells offer six routes to power (table)	Sept. 12	55
"Glue" injected into the site of a bone fracture	Sept. 12	41	Polycarbonates - Mobay races GE for first U.S. production, uses German parent company's technology	July 11	25	Fuel reservoirs, new stations, power "pools", assure plenty of electricity for the winter (charts)	Oct. 10	18
Holland is planning an international plastics fair - "macroPlastic 1960" - for Oct. 19-26, in Utrecht	Dec. 19	26	Polyesters	Dec. 12	85	Jet engine changes look of gas turbine power plant	July 4	39
Integration and government regulation problems beset the industry	Nov. 21	23	Film markets may undergo a major rearrangement when Mylar patents expire (chart)	Nov. 7	77	New power allocations at Niagara Falls to 13 companies	July 4	40
Jet engine features a compressor housing of plastic	Dec. 12	70	New German compound	Nov. 28	60	Niagara Falls power conversion poses allocation and rate problems for plant management (table)	Nov. 28	89
Liquid polyvinyl plastics	July 11	25	Price cut on reinforced polyester molding compounds, Thermoflow line	Nov. 28	54	Niagara Falls - what power conversion will cost typical plants (table)	Oct. 31	17
Merlon, polycarbonate resin	Sept. 26	19	Polyether - Major U.S. suppliers (table)	Dec. 26	59	Thermoelectric generators are spotlighted by three major developments	July 18	33
100% plastics production increase in the next 10 years is anticipated	Sept. 26	19	Polyethylene	Dec. 12	21	Prices	Dec. 12	29
Optically clear plastic laminate, Thermo-shield	Sept. 5	72	Bottles and containers - Celanese takes its first step into the plastics fabrication field	Dec. 12	42	Bleach - geographic price discrimination on sales of laundry bleach	Nov. 14	41
Output will hit 6 billion lbs. in '59	Oct. 10	95	Catalyst	Oct. 17	68	Competition rules market - Viewpoint H.C.E. Johnson	Oct. 10	9
Pacific Coast's plastics buildup (table)	Sept. 19	38	Centrifuge tube closures	Nov. 7	66	Drug prices hearings in New York and Trenton, N.J.	Oct. 31	17
Pipe marketers get a break	July 25	97	Detergent containers of high-density polyethylene tested by three soapers	July 18	56	Drug price setting will be investigated by Blair, Kefauver, in Washington next month	Oct. 17	35
Pipe not bearing the NSF seal branded a potential health hazard	July 11	83	Dust-repellent plastics	Sept. 12	115	Drug prices are at the root of eight suits	Dec. 19	48
Plastic pipe use approved by five states	Oct. 31	66	Estimated national polyethylene potential 1.4 billion lbs./year	Sept. 5	88	Drug pricing on vital: corporate and FTC lawyers in antibiotics case question company presidents	Aug. 1	18
Polyethylene nozzle	Dec. 19	19	Goodrich-Gulf will produce a high-density polyethylene using a process based on Ziegler chemistry	Dec. 12	21	"Fair trade" problems in North Carolina	Nov. 28	52
Polypropylene will hurtle into the top rank of plastics by '61	Aug. 15	62	Grex plastic bowls hot off the mold at Macy's in New York	Dec. 12	21	Dec. 12-42	Dec. 26	17
Processing	Aug. 15	62	Light stabilizer	Sept. 19	50	Fertilizer price probe is unlikely		
Production in the United Kingdom	Aug. 15	27	Linear polyethylene prices	Aug. 1	49	Investigations of pricing practices will continue in '60		
Production, sales and earnings increased in '58 according to U.S. Tariff Commission preliminary figures	Aug. 22	51	Markets will exceed 1 billion this year	Oct. 10	95	Kefauver drug-pricing hearings Oct. 3-33, Oct. 31-17, Nov. 21-30, 33, Nov. 28-52, Dec. 5-31, Dec. 12-42, 47		
Prospects glow - rash of expansion projects casts optimistic new light on production forecasts - output will double by 1970	Oct. 3	29	Newspapers will use PE wrappings	Dec. 12	109	Miracle drugs are rarely profitable after five years - Viewpoint H.C.E. Johnson	Dec. 19	22
Russia's output is 536 million lbs./year - includes everything U.S. makes except polyethylene	Oct. 24	82	Packaging film sales are booming	Sept. 5	88	Oklahoma's "fair trade" law is unconstitutional	Nov. 14	35
Resin tailoring is first step in extending plastic laminate versatility (table)	Dec. 19	65	Polymerization process	Oct. 10	74	Price-fixing suit against Ciba, Gely, Sandoz and Toms River ended last week	Dec. 5	92
Sales in England	Oct. 31	25	Prices July 25-97, Sept. 19-116	Dec. 26	59	Profit margin slashes stir distributors' ire (chart)	July 11	43
Sales increase during '59, demand may double by '70 (chart)	Nov. 21	175	Polyisoprene	July 11	83	Salk vaccine antitrust suit dismissed	Oct. 5	17
Toymaking boom - resin demand may hit 120 million lbs. this year	Sept. 26	42	n-Butyl lithium is used as catalyst	July 18	53	Salk vaccine makers face the jury	Oct. 31	17
U.S. plastics output will reach 115 billion lbs./year by the year 2000 - West Coast plastics industry will double in size within 10 years	Oct. 24	82	Moves out of pilot-plant stage (chart)	July 18	77	What price politics? - Viewpoint H.C.E. Johnson	Oct. 24	34
West Coast industry is getting new producers of polyurethanes and polyethylenes	Nov. 21	23	Prices	July 4	43	"Widow and orphan" mail on high drug prices	Oct. 3	55
West Germany's plastics output increased July 18-28	Nov. 7	26	Shell is moving ahead	Sept. 19	52	Printed Circuits - Silk-screen circuit	Dec. 5	70
Plutonium - Plutonium-recycle test reactor being constructed at AEC's Hanford			Blowing agent	Dec. 12	29	Process optimization - REVOP, random evolutionary operation - new statistical approach to process optimization		
			Gaining fast in home, industrial floor polish field - letter	Oct. 3	71			
			Polyolefin	Oct. 3	71			
			Fiber dyeing process	Dec. 12	21			
			Goodrich-Gulf will produce "oriented polyolefins"	Dec. 26	59			
			Polypropylene	July 18	71			
			AviSun becomes commercial polypropylene film producer	Sept. 12	39			
			Borrowed research speeds AviSun into production	Sept. 26	35			
			Developments in the race to cash in on the versatile petrochemical plastic	Sept. 5	71			
			Fibers - one U.S.-made, one foreign-made - are launched for apparel use	Nov. 21	24			
			First commercial production of fiber in the U.S.	Dec. 19	61			
			Hercules Powder will use propylene at its second resins plant in Lake Charles, La.					
			Lineup of polypropylene producers (table)					
			May be used for magnetic-tape recording					
			Patents overseas - trouble's coming to head over products, processes, catalysts					

## Propellants

Continuous processing technique may mean faster, safer handling of solid propellants  
Transportable plant for continuous on-site propellant mixing was proposed at the ARS meeting

Nov. 28 90  
Nov. 28 90

## Propylene

Big column for Sun's propylene  
Sun Oil will produce propylene for use by AviaSun in making polypropylene  
Survey shows that propylene will be a major olefinic raw material by '65 - report (charts & tables)  
Propylene glycol - Prices  
Propylene oxide - Prices

Aug. 15 64  
Aug. 1 23  
Nov. 14 53  
Dec. 26 59  
Dec. 26 59

## Protein

Amino acids - PTH derivatives are available for use as standards in protein analysis  
Diet supplement from inedible vegetable materials by new British extraction process  
Soluble protein from seeds  
Soya protein plant in Chicago will make edible dispersible protein  
Pseudocumene - Trimellitic is made from pseudocumene by Amoco's liquid-phase air oxidation

Nov. 21 160  
Oct. 3 49  
Aug. 8 66  
Nov. 7 69  
Aug. 22-17 41

## Public Relations

Chemstrand is turning over management of its Coleraine, Ireland, plant to British nationals - living lesson in industrial "foreign policy"  
Course for executives representing U.S. business abroad, Aug. 22-18  
Five rules for writing good product publicity  
Florida phosphate makers clear air, build good community relations  
Husband-and-wife team tells how executive's wives can ease spouses' job burdens  
Management mobilizes to minimize bad publicity in cranberry crisis  
Paint company puts fresh face on Old West town  
Pan American Sulphur comes to aid of earthquake-devastated Mexican village  
Plant management problems you won't find in the operating manual  
Small Florida town exemplifies what happens to a declining community when industry comes in  
Storage tank dons Halloween mask  
Puget Sound - 57 plants - key to Puget Sound CPI (map)

Aug. 29 105  
Sept. 5 97  
Nov. 14 114  
Oct. 3 89  
Nov. 7 56  
Nov. 21 42  
Oct. 10 77  
Oct. 17 104  
Aug. 22 54  
Oct. 31 42  
Nov. 7 46  
Aug. 8 54

## Pulp

Continuous pulping process, developed by William Nolan  
Esparto pulp production at Kasserine, Tunisia - electrolyzed sea water to yield caustic soda for pulping, chlorine for bleaching  
Hardwood newsprint  
Potentially profitable pulping by-products now in advanced laboratory stages  
Research funds are approved for sulfite pulping by-products  
Six U.S. and Canadian producers are launching multi-million-dollar expansion projects  
Sodium-sulfite pulping process will improve pollution control resulting from reduced BOD of effluents

Aug. 15 64  
July 11 40  
Oct. 31 74  
Dec. 19 52  
Dec. 26 49  
Aug. 1 22  
Dec. 19 51

## Pumps

Gear pump  
Lightweight chemical vacuum pump is key to ultra-accurate atomic clock  
Metering pumps  
Portable vacuum systems  
Proportioning pump  
Transfer pumps  
Turbine pump  
Turbine-type pumps  
Two new pumps designed for petrochemical and related plants  
Versatile new positive-displacement pump

Nov. 7 48  
Oct. 24 78  
July 11 70  
Nov. 7 46  
Oct. 10 90  
Oct. 18 48  
Sept. 26 96  
Aug. 8 36  
Sept. 26 96  
July 25 106  
July 4 41

## Purchasing

History-saving specialties for the Smithsonian Institution  
Management's voice in purchasing decisions - McGraw-Hill Research study

Aug. 8 47  
July 25 51

## Q

Quercetin - Pilot production will be discontinued

Oct. 24 72

## R

### Radiation

Army is scrapping its full-scale food irradiation program  
Chemical firms are upset by proposed radiation protection rules  
Control over safety will be shifted away from the AEC to a Cabinet committee and the PHS  
Damage suit against Phillips Petroleum - Detection device, Banshee  
Gamma radiation is being used to probe

Oct. 31 27  
Aug. 8 27  
Aug. 22 27  
Dec. 5 94  
Sept. 5 72

the forces that bind atom's nucleus  
Government may issue a "white paper" on L-band linear accelerator brings down operating cost  
Linear accelerators offered commercially  
Sterilizing packaged products  
Workers need reassurance on low hazard in industrial isotopes

Sept. 12 46  
Sept. 5 34  
Oct. 3 72  
Aug. 29 86  
Oct. 17 70  
Sept. 12 72

### Radioactivity

Fallout detection device, called Banshee can be installed in radio and TV sets  
Fallout detector, pocket-size, called FIDO Monitor  
Strontium-90-free calcium suggested as fallout-foiling dietary aid  
Radioiodine-131 - Price

Sept. 5 72  
Aug. 8 78  
Sept. 19 76  
Sept. 19 106  
Aug. 8 82

### Radioisotopes

Reduce test time of magnesium oxide content in Portland cement  
Thai researchers use radioisotopes to shed light on secrets of snake venom  
Rayon - Nylon-rayon baffle for fire-cord markets is getting even hotter

Aug. 8 71  
Oct. 10 106  
Sept. 26 19

### Reactors

Big reactor comes down to earth on moving day  
First fuel element for AEC's Hanford Works  
Low-temperature heat reactors will be subject of one-day symposium to be held by AEC  
Low-temperature process heat reactor to be built near San Diego  
Castor, novel reactor, will be put on display at Chem Show  
Plutonium-recycle test reactor under construction at AEC's Hanford Works  
Process heat reactors will be competitive with coal by '70, AEC predicts  
Sulfur-cooled system, the newest nuclear reactor concept  
Switch from fluid-fuel reactors to long-range thermal breeder program heads AEC's '60 spending plan (tables)  
Thorium compounds are receiving attention as potential reactor fuel  
Thorium reactors rise (chart & table)

Sept. 19 72  
Aug. 8 72  
Aug. 22 41  
Oct. 17 73  
Nov. 7 70  
July 11 40  
Oct. 10 73  
Aug. 29 86  
Aug. 29 89  
Sept. 12 69  
Sept. 19 119

### Reagents

Aerosol reagents  
Detection reagents for amino acid and carbohydrate chromatograms in aerosol form  
Rectifiers - Silicon rectifiers

Dec. 12 62  
Oct. 17 80  
Sept. 19 74

### Refining

Catalyzing process  
Desulfurization process  
Unicracking - new refining process

Aug. 15 64  
Sept. 5 42  
Nov. 21 172

### Refractories

First fully integrated basic refractories plant in the South completed by H.K. Porter  
Fosterite and stabilized dolomite refractories produced in India  
Refrigerants - Freon finds role in missile-homing devices  
Refrigeration - Miniature cooler

Oct. 3 81  
Oct. 3 56  
Sept. 19 106  
Sept. 19 84

### Research

ACS's 136th national meeting in Atlantic City reveals gains in plastics, pharmaceutical and chemical research  
Acrolein derivatives get boost with prospect of acrolein price cut (chart)  
Advisory committees are new management aid  
African daisy oil getting close study as source of oil for paints, plastics, lubes  
Analysis speedup in determining (1) pesticide residue on crops, (2) liquid/solid ratio of fats and (3) early diagnosis of various diseases  
Asphalt research is paying off with new products for paving, roofing, specialty uses (table)  
Atom smasher, dubbed ZGS, constructed at Argonne National Laboratory  
Australian Mineral Industries' Research Assn. formed  
Automobile exhaust-cancer link investigation sponsored by GM  
Blood freezing technique may permit indefinite storage  
Borrowed research speeds AviaSun into polypropylene production  
Budget study relates R&D budgets to changes in business climate  
CCC plant growth regulator discovery teams Cyanamid and Michigan State U.  
Cancer vaccine coming - new virus discovery brightens outlook  
Chemical company research and development budgets up  
Chemical insect baits tested by USDA  
Chemical and nuclear explosives  
Chemonuclear research  
Congress has boosted Eisenhower's budget for medical research  
Defense funds for basic research are expected to increase  
Democrats propose an agency to solve technical peace problems  
Dept. of Defense is setting up a plastics technical evaluation center at the Army Ordnance Corps' Picatinny Arsenal  
Depression - target for the newest mental drugs  
Drug effective against various infections  
Dye makers develop new disperse dyes for use on polyester fibers

Sept. 26 26  
Nov. 28 77  
Sept. 5 91  
Dec. 12 58  
Nov. 21 158  
Dec. 12 53  
July 4 43  
Oct. 3 98  
Sept. 12 78  
Oct. 31 60  
July 18 71  
Dec. 5 76  
Nov. 7 64  
Oct. 10 105  
Sept. 12 77  
Sept. 26 80  
Sept. 26 79  
Dec. 19 74  
Aug. 8 27  
Oct. 31 28  
Oct. 17 40  
Dec. 19 68  
July 4 46  
Oct. 3 98  
Nov. 21 155

Electronics firms go deeper into chemical research  
Encapsulating liquid rocket fuels has been proved feasible by SWRI  
Enzyme mixture to help fatten cattle and sheep is getting urgent research  
Enzyme research opens new medical, industrial markets (chart)  
European market research lacks fundamental statistics  
Evaporation of water from reservoirs reduced by hexadecanol  
Explosion-forming of refractory metals  
FIL suggests new catalytic cure for nitrogen oxides in automobile exhaust  
Fermentation R&D expansion round  
Furan process tested at the Latvian Institute for Organic Synthesis  
"Glue" injected into the site of a bone fracture is under study at Georgetown University School of Medicine  
Government patent policies on Defense Dept. R&D contracts, on AEC contracts, on NASA contracts  
High-temperature technology probed at Stanford-sponsored symposium  
Japan has created the All Japan Science and Technology Foundation  
"Lifetime" feeding study on rats to test toxicity of chemicals made by Mellon Institute staffers  
Linear accelerators for radiation research  
Lithium compounds in rocket propellants  
Lithium purification process used to prepare samples for corrosion studies  
Machine searching and translation of scientific and technical literature  
Malayan rubber growers are upping research budget  
Medical research ordered to restrain spending  
Metallic solid solutions - Union Carbide and AEC will split cost  
Metals from sea water by "soap and bubble" method, developed by Prof. Felix Sebba, Johannesburg, South Africa  
Metal studies  
National Cancer Institute is testing 109 compounds in humans  
Naval research advisory group recommends doubled Navy basic research spending  
New research center's novel nucleus  
New Technical Center at South Charleston dedicated by Union Carbide  
Nonchemical power sources  
Nuclear rocket using liquid hydrogen propellant is studied by NASA  
Oceanographic Congress yields information on chemicals from sea  
Operations research in plant design has been recommended by Stanford Research Institute  
Oral polio vaccine  
Patents as guides to research productivity (chart)  
Pentagon - another 227 top science jobs will be created, largely in the missile programs  
Pentagon's space-age research needs cited by Sutton  
Phosphor lamps  
Photonuclear research is showing useful results  
Plastic laminates research aims to improve bonding resins, reinforcing "webs" (table)  
Polymeric dye acceptors may find use in Zelan fiber  
Polypropylene fiber ready for the mill  
Rumanian Academy of Science reports new methane derivative  
Russians aim to have developed a method for making cementless concrete  
Russian campaign to impress newly developing areas with its medical research  
Russians lag U.S. in basic drug research, inspection team finds  
Scientific research spending should be increased, Republican policy planners say  
Sebba process for extracting metals from sea water  
Senate bill to hike funds for medical research  
Senators upped the House-approved appropriations for medical research  
Simplified notation systems approach final screening  
Small labs weigh new pay plans  
Smog-forming components removed by copper oxide catalyst, UCLA research indicates  
Solid propellant made from a plastisol  
Stable explosions  
Steroid research - joint venture by Lilly and Syntex  
Supercritical gases studied at German university  
Synthetic-diamond research  
Taxation of nonprofit scientific laboratories has been delayed indefinitely  
Tennecetin, new pacesetter in research for better fungus-fighting drugs  
Thai researchers use radioisotopes to shed light on secrets of snake venom  
Toxicology researchers rush to meet FDA's deadline on proving product safety  
UCLA research engineers have two new approaches to cutting auto exhaust pollution  
USDA, AEC and PHS plan a joint research project on methods of removing strontium-90 from milk

July 11 61  
Oct. 10 74  
Dec. 5 70  
Dec. 5 73  
Sept. 12 81  
July 11 64  
Aug. 8 75  
Dec. 5 69  
Nov. 7 63  
Oct. 17 68  
Nov. 14 80  
Dec. 19 29  
Oct. 10 53  
Oct. 31 25  
Oct. 3 103  
Aug. 29 86  
Sept. 12 18  
Oct. 24 71  
Sept. 26 38  
Aug. 8 72  
Oct. 3 34  
Aug. 29 82  
July 18 60  
Aug. 8 64  
Oct. 24 72  
Oct. 17 77  
July 11 62  
Oct. 31 23  
Sept. 26 79  
Oct. 10 74  
Sept. 19 104  
Dec. 19 52  
July 18 72  
July 25 109  
July 25 37  
Sept. 19 87  
Sept. 12 78  
Sept. 12 46  
Dec. 19 65  
Nov. 28 82  
Sept. 26 35  
Nov. 14 122  
Nov. 14 122  
Aug. 15 37  
Oct. 3 97  
Oct. 10 39  
Dec. 19 68  
July 11 32  
July 4 28  
July 4 48  
Aug. 15 35  
Aug. 15 58  
Aug. 1 48  
Dec. 19 79  
Sept. 26 25  
July 4 44  
Dec. 5 69  
July 4 27  
Aug. 29 77  
Oct. 10 106  
Oct. 31 33  
Oct. 3 72  
Oct. 17 80

USDA recommends adding a fungicidal chemical to asphalt varnish used in painting tree wounds	Sept. 19	51	polystyrene applications reported	Nov. 21	23	Separating salt from its impurities - process patented	Oct. 17	73
University of California entomologists tested pesticides for beetles	Oct. 31	34	Industry gears for big push in '60 - is trying to cash in on synthetics, new processes (chart & table)	Dec. 5	22	Sapphires - Big sapphires - payoff on process control	Sept. 19	79
University of California researchers are working on a method of preventing decay of oranges in shipment	Nov. 21	159	Latex for rug backing	Aug. 15	83	Letter	Dec. 12	29
University of Florida will test continuous pulping process developed by William Nolan	Aug. 15	64	Latex for textile coating	July 25	92	Satellite - Explorer VI - CPI can take a bow for successful launching	Aug. 15	20
University of Michigan Medical Center is studying a crude protein vaccine against syphilis	Sept. 5	72	Latex - styrene-butadiene latex called Gen-Flo	July 18	78	Savannah - Deepwater docking backs its bid for new industry	Nov. 28	123
Uranium waste disposal technique by USBM Intermountain Experiment Station	Oct. 17	74	Latex - vinyl acrylic resin latex for floor polish	Aug. 15	83	<b>Scales</b>		
Urethane based elastic fibers close to commercialization	Nov. 14	73	Malayan rubber growers are upping research budget	Aug. 8	72	Automatic weighing units	Sept. 19	76
Vacuum coatings for continuously metalizing paper, for "plating" steel	Aug. 22	63	Poland is trying to expand synthetic rubber output	July 4	25	Bulk weighing scale	Oct. 10	92
<b>Resin</b>			Rubber Manufacturers Assn. and 10 of its members were fined for violating the Sherman Anti-trust Act	Nov. 21	47	Electric hoist scale for use on materials-handling vehicles	Dec. 5	54
Alkyd resin system	Nov. 21	192	Silicone rubbers from GE	Nov. 15	84	Weight control	Aug. 29	129
Captive production by plywood makers on the West Coast is cause for concern	Aug. 29	113	Silicone rubbers, Silastic	July 25	112	Scandium - Experimental quantities	Nov. 7	66
Carbopol water-soluble resin suggested in cosmetic formulations	Sept. 12	115	Stockpiled high-grade natural rubber may be unloaded by the U.S.	Sept. 12	100	<b>Sealants</b>		
Cement resin	Nov. 21	192	Synthetic resin latex	Nov. 14	88	Polyulfide sealant for airfield paving	Sept. 5	55
Continuous epoxidation	Oct. 17	67	Viton synthetic rubber price is slashed	Sept. 26	47	Single package silicone sealant	Oct. 17	74
Defrin formaldehyde resin moving into commercial production (chart & tables)	Sept. 12	103	Viton synthetic rubber - resistance stepped up	Nov. 7	64	Synthetic rubber caulking compound will be introduced to the construction industry	Oct. 10	45
Dutch firm is marketing a medium oil-length alkyd resin based on linseed oil	July 18	66	Rubies - Made by a new process, developed by San Francisco chemist August 1-43	Aug. 15	70	Sealers - High-speed sealer	Oct. 10	50
Emulsion	Sept. 12	112	<b>Russia</b>			Seals - Heavy-duty seals	Nov. 7	46
Epoxy adhesive	Dec. 5	48	American Inspection team finds Russians lag U.S. in basic drug research	Oct. 3	97	Selenium - Demand growing for selenium to be used in electronics	Aug. 22	52
Epoxy application simplified by Epon curing agents	Oct. 24	71	Another lag U.S. synthetic fiber plant sale to Russia	Oct. 10	17	<b>Selling</b>		
Epoxy coatings for low-temperature insulation	July 18	59	Barter offer to Brazil	July 25	20	Aerosols stem tide of lagging polish sales	Nov. 21	187
Epoxy coating upgrades electrical insulation	Dec. 5	53	Campaign to impress newly developing areas with its medical research	Aug. 15	37	Airplane makers step into commercial chemical development to exploit chemical inventions	Aug. 22	35
Epoxy dipping compound	Aug. 15	85	Chemical expansion is racing ahead	Nov. 7	18	Aluminum sulfate to the paper industry (chart)	Dec. 5	85
Epoxy kit	July 25	94	Chemical industry is meeting production goals, but lack of equipment crimps expansion plans	July 11	25	Auto fleet leasing may hold key to cutting costs of keeping salesmen on the road (tables)	Dec. 26	53
Epoxy stripper	Sept. 5	58	Chemical plants are making steady gains	Nov. 28	42	Automobile ordering slashes selling costs at Dow	Dec. 19	33
Epoxy survey	Aug. 15	79	Key to successful moonshot is an improved guidance system	Sept. 19	87	Automobile sales pickup spells good news for suppliers of chemical products	July 4	54
Film-grade polyethylene resins	Nov. 28	58	Khrushchev will talk East-West trade with Eisenhower	Sept. 5	33	Automobiles - double selling challenge, (1) how to sell to auto makers; (2) the changing trend of auto specialties marketing - report (chart)	Dec. 12	115
Ion exchangers	Nov. 21	160	Need for information to help U.S. business compete abroad against the Soviet bloc has aroused White House interest	Oct. 3	34	Barter of U.S. crops for foreign minerals is being both praised and damned in Washington	Aug. 1	27
Keen competition among Pacific Northwest resin producers	Aug. 15	67	Omni Products will sell equipment for plastics extrusion plant	Sept. 12	18	Bromine enters new market as a sanitizer for swimming pools	Dec. 12	90
Latex resin	Sept. 12	115	Plans expansion of its chemical industries	Sept. 21	33	Butyl hopes ride on tire sales (chart & table)	July 4	31
Melamine-acrylic resin for use in water-thinned finishes	Oct. 24	90	Plant technology, products at New York show	July 11	48	CPI firms scale new heights (table)	Aug. 22	24
Merlon, new polycarbonate resin	July 11	25	Plant tour sundown for visiting chemists from U.S.S.R.	Aug. 29	40	CPI's new sales and profit records charted by SEC-FTC	Sept. 26	25
Plastic laminates research aims to improve bonding resins, reinforcing "webs" (table)	Dec. 19	65	Plastics production includes everything U.S. makes except polyethylenes	Oct. 24	82	CPI sales gains	Sept. 19	40
Polyox water-soluble resins in small-scale production	Oct. 31	59	Potash controversy	July 11	89	CPI sales hold high, pressure increases on profits	Dec. 26	24
Polytetrafluoroethylene, tradenamed Fluon C01	Sept. 19	124	Pravda publishes the chemical industry for "serious shortcomings"	Aug. 22	18	CPI sales will mount to new peaks - nine months' outlook (charts)	Oct. 3	27
Poron disposable inker	Oct. 10	50	Reds in Soviet Union - Kuzmin and Bolshakov will have little to show for their trade-seeking visit to the U.S.	July 18	25	Canadian chemical industry management probes sales costs, looks to distributor selling for savings	Nov. 7	89
Race for resins in the U.S. and Canada	Oct. 31	24	Soviet bloc to shop in Canada for chemical equipment	July 4	18	Chemical and allied products sales prediction for 1960	Sept. 19	19
Radiation cures making resins from benzene, according to the Russians	July 18	60	Soviet trade fair in New York - Viewpoint H.C.E. Johnson	July 11	13	Chemical companies' sales and earnings rocket to new peaks, but profit margins still lag '56 levels (chart & table)	Aug. 1	21
Silane-modified phenol-formaldehyde resin	Aug. 1	49	Stabilized plastic emulsion key to gasoline brick process	Sept. 26	72	Chemical companies' statements report nine-month sales and earnings at new peaks (chart & table)	Oct. 31	21
Synthetic resin latex	Nov. 14	88	State Dept. tells possibility of unshackling U.S.-Soviet trade	Oct. 10	35	Chemical equipment to Russia - State Dept. says bars may drop but not enough to suit Reds	Oct. 10	35
Teflon fluorocarbon resins will be offered as thermoplastic film	Sept. 26	80	Technological triumph in sending a missile around the moon	Oct. 17	77	Chemical sales totals for '59 will be depressed by steel strike	Nov. 14	19
Thermosetting acrylic resins	Aug. 8	48	U.S. chemical, equipment and engineer concerns are being approached by a Soviet trade delegation	July 11	17	Chemshow report	Nov. 21	51
Thermosetting resin expansion	Oct. 17	19	U.S. trade with Soviet Russia spurred in the first quarter of '59	Aug. 29	48	Commodity survey for '60 shows West with major supply/demand imbalance (table)	Dec. 26	73
Toy-making boom - resin demand may hit 120 million lbs. this year	Sept. 26	42	World's largest underground coal-gasification plant started operation at Angrenski coalfield	Dec. 5	70	Competition rules market - Viewpoint H.C.E. Johnson	Dec. 12	29
Urethane foaming resin	Aug. 15	83	Rust solvent	Nov. 28	74	Creslin acrylic fiber adds designer service program to bolster sales	Oct. 31	47
Vinyl acrylic resin latex for floor polish	Sept. 19	54	<b>S</b>			Custom chemicals production trend gains in CPI - letter	Oct. 24	93
Vinyl resin capacity is being increased by Naugatuck Chemical	Dec. 26	75	<b>Safety</b>			DDT contracts to sell 47.7 million lbs. to the government have been awarded to six firms by GSA	Dec. 5	82
Vinyl resin sales for coatings will be up 30% in '59	Oct. 31	70	CPI safety mark for '58 isn't as good as '56 record, according to NSC (chart & table)	Aug. 1	34	Dairy specialties - \$50-million/year (table)	Aug. 1	54
Water-soluble resin	July 25	94	Cryogenic safety conference	Aug. 15	51	Dangerous-cargo regulations	Aug. 29	69
<b>Rockets</b>			Dangerous-cargo regulations - letter	Dec. 12	32	Disposable containers bottle anew with multiple packages; drum-size "disposables" in sight	Nov. 28	93
Hydrazine's place in rocket propulsion may be resolved soon	July 25	41	Disaster handling	July 11	76	Distributors debate merits of national group to set code of ethics, "police" business practices	Sept. 5	77
Hydrogen peroxide-fueled rocket "wings" enable a man to fly up, down, or hover	Dec. 12	81	Houston Ship Channel fire brings demand for tighter safety inspections	Nov. 21	44	Drug sales	Aug. 29	120
Key to Russia's successful moonshot is an improved guidance system - similar device to be tested by U.S.	Sept. 19	87	Japan may step up drive for safety in explosives plants	Dec. 5	24	East-West trade - will Russia's fair and Kozlov's visit increase trade?	July 11	31
LCA is buying into the rocketry field	Dec. 5	18	Plant management problems you won't find in the operating manual	Aug. 22	54	Enzymes - sales of clinical enzymes are rising (chart)	Dec. 5	73
Liquid-hydrogen-fueled power plant for missiles	Dec. 19	76	Safety solvents - How cheating dealers bid for sales	Aug. 8	85	Epoxy resins	Aug. 15	79
Liquid hydrogen-fueled rocket engine was test-fired successfully	Dec. 12	81	St. Lawrence Seaway - CPI industries are watching the water diversion fight	Sept. 12	44	Equipment and technology to Russia	Sept. 12	18
Liquid hydrogen-liquid oxygen propellant system will power the Conair Centaur	Aug. 15	38	Solaries see Labor, Manpower, technical, Research, Selling			Equipment - auction of surplus chemical warfare plant yields bargains in used equipment	Dec. 19	56
Nuclear rocket using liquid hydrogen propellant is saved by NASA	Oct. 10	74	Salesmen's Assn. of the American Chemical Industry, Inc.			Europe is integrating toward 18-nation free-trade area (map & table)	Aug. 15	41
Variable-thrust liquid-fuel rocket engine	Dec. 19	51	SAACI's Eighth Chemical Sales Clinic told how to make a successful pitch	Oct. 3	66	Europe - Little Free-Trade Area, another "Common Market" for Europe (table)	July 4	24
Roswell Park Memorial Institute - Polyacrylics and ethylene-maleic anhydride copolymers tested as cancer inhibitors	Sept. 5	71	Schedules 8th annual sales clinic	Sept. 12	84	European chemical industry is slowly eroding U.S. sales gains (table)	Sept. 12	37
<b>Rubber</b>			<b>Salt</b>			Europe's market research lacks fundamental statistics	Sept. 12	81
Antiradiation rubber	Nov. 14	88	Electrodialysis will be used at Japanese plant	Aug. 8	66	Flavor and perfume materials	July 11	94
Bonding polyester fiber to rubber	Sept. 5	72	New plant in N.D.	July 4	23	Forecast for '60 predicts significant gains in sales for CPI (charts)	Dec. 26	63
Brazil is seeking bids on synthetic rubber plant	Sept. 19	42	Pacific Northwest chlorine industry won't want for salt	Dec. 12	109			
Britain is releasing its stockpile	Sept. 26	89						
Butadiene-styrene latex for making foam rubber will be marketed at 20-30% under natural latex price	Nov. 7	69						
Butyl hopes ride on tire sales (chart & table)	July 4	31						
Chemicals - output and sales off	July 4	34						
Cis-4 polybutadiene rubber production to be boosted by Phillips Chemical	Dec. 19	20						
Consumption - how will synthetic natural change the picture? (chart)	July 18	53						
Gloves	July 18	50						
Government's stockpile is likely to dwindle this year	Sept. 5	33						
Growth trend in both synthetic rubber and								



Foreign sales (chart)	Aug. 15 25	Semiconductors	Center will carry on a broad range of solid-state research in addition to mass-producing silicon solar cells.	Nov. 26 80	Solvents	n-Butyronitrile	Dec. 26 75
French chemical industry sales up	Sept. 19 42		Japanese exports pose a serious threat to silicon producers (charts) Oct. 10-65, 95	Oct. 24 81		How cheating dealers bid for sales	Aug. 8 84
Glassmakers' growth plans help boost chemical sales (chart)	July 4 21		Separators - Magnetic separator	Sept. 12 64		Rust solvent	Nov. 28 74
Great Britain's latest deal with the Soviet bloc	Oct. 3 23		Sequestants - Dithionamide and six derivatives are available in development quantities	Oct. 17 78		Sorbic acid - German process for producing sorbic acid from ketene and crotonaldehyde	Dec. 5 40
"Gypsy" reselling of alkalis - major producers have eliminated freight equalization	July 4-54, 63		Sewage Treatment			Sorbitol - Prices	Nov. 7 80
Household cleaning - Textile chemicals boom to \$16-million-year sales (chart)	Nov. 28 66		CPI industries are watching the fight over taking water from Lake Michigan to help Chicago's sewage system	Sept. 12 44		South Carolina - Sales tax suit	Dec. 12 102
Instrument and equipment prospects are promising	Dec. 12 44		Move to boost grants for constructing is being held back until Congress reconvenes	Sept. 26 30		South Vietnam - Considering some chemical projects open to foreign participation	Dec. 19 24
Kosher specialties - 5-million person market for products made to meet Jewish dietary codes	July 11 93		Shale Oil			Southwest Research Institute - New method of encapsulating liquid rocket fuels or oxidizers	Oct. 10 74
Laundries with coin-operated machines boost sales of washing specialties	Oct. 30 99		Aspeco process starts round-the-clock operation	July 4 43		Space vehicles - Project Mercury may employ plastic or ceramic heat shielding to protect AF's first manned space vehicle	Oct. 17 73
Liquefied petroleum-gas sales in '59 increased 16.5%	Dec. 19 61		Commercial production is expected to begin between '60 and '65 in Colorado	Aug. 15 58		Spain	
Maleic hydrazide sales dropped in N.C. - S.C. areas	Oct. 3 24		Eastern oil shale may be a source of gas	Aug. 28 120		Investment opportunities for U.S. companies undertakes drastic economic reforms to lure U.S. capital (table)	Aug. 1 17
Management's voice in purchasing decisions - survey	July 25 51		Nuclear blast to produce oil from oil shale - AEC and USBM hopeful	July 4 28		Spevack, Jerome	Sept. 26 99
Michigan Chemical's sales goal: \$24 million	Aug. 22 23		Shampoo - Shampoo Plus Egg in a one-shot plastic bubble package from Helen Curtis	July 11 98		Patent reveals three ways to save on heavy-water output	Aug. 1 45
Morgantown bids for a buyer	Nov. 14 119		Shipping			Supreme Court turns down latest attempt to get government information on Dana heavy-water plant	Aug. 1 66
Nalco - diversification and new marketing efforts build record sales (table)	Dec. 26 45		Air freighting - simpler arrangements for overseas shipments	July 18 93		Squadroom - Lithium suit looms	Sept. 5 29
New products strengthen CPI's sales (table)	Nov. 14 111		Aluminum alloy containers for freight shipments will be put on trial runs	Dec. 26 60		Spray drying - Addenda - letters	Aug. 22 10
New trade challenge: can we stay on top in free-for-all oil market? - report	July 25 65		Barge slowdown idles chemical shipping	Dec. 25-20, 50		Stabilizers	
Joseph Baird (map, charts & tables)	July 25 92		Bargemen foresee rail competition, government regulation as big problems of '60	Dec. 19 34		Heat stabilizer	Nov. 28 73
Paint, varnish and lacquer sales	July 25 92		Chemical producers are throwing support to dual rates for ocean shipping	Aug. 1 18		Natrosol, stabilizer and thickener	July 11 98
Pigment-selling push by GAF is powered by reorganized sales staff, research-trained management	Dec. 5 61		Collapsible rubber tanks O.K.'d by government	Dec. 19 34		Polyethylene light stabilizer	Aug. 1 49
Plastics sales in England	Oct. 31 25		Containerization may pare high costs of chemical distribution	Dec. 7 90		Water-soluble stabilizer	July 25 112
Plastics sales increase during first half of '59, demand will double by '70 (chart)	Nov. 21 175		Dangerous-cargo hassle	Aug. 29 69		Starches - Aerosols, one-shot packages, anti-body-odor additives to vitalize sagging sales	Oct. 24 49
Polyethylene packaging film sales are booming	Sept. 5 88		Faster bulk shipment by barge	July 25 33		Statistical technique - Revop, new approach to process optimization	Dec. 5 70
Polystyrene vies for a foothold in packaging industry	Nov. 21 195		Lower, special-condition land freight rates may be one step nearer - ICC has approved "agreed" rates	Aug. 1 18		Statistics	
Postrecession sales rise is tapering as shown by latest figures released by Dept. of Commerce	Sept. 19 19		Piggyback rail service approved by ICC	Sept. 26 30		CPI market researchers check the score on government-compiled statistics - letter	Nov. 7 33
Price cutting plagues distributors in year of excellent business	July 4 63		Plastic balls are being tested for use in floating wood chips downriver	Dec. 26 60		Maintenance worker performance predicted statistically	Dec. 19 10
Product liability protection (charts)	Oct. 3 63		Strike on the inland waterways is slowing chemical traffic	July 11 18		Steel	
Profitability for chemical and metal companies is much improved, but profit margins have slipped for pharmaceutical companies, also for producers of chemical raw materials	Aug. 1 18		Trailers bid for bulk liquid traffic	Nov. 28 94		CPI will ride out steel strike (charts)	Oct. 3 27
Record year in sales and earnings is in prospect - particularly if the steel strike ends	Nov. 7 17		Silicate - Electronic-grade potassium silicate	Nov. 7 64		Canadian urea plant swaps by-products with steel mill; latter supplies raw materials, receives fuel gas (chart)	Nov. 28 117
Rubber chemicals off	July 4 34		Silicon			Chemical stock prices have been fluctuating sharply, partly as a result of the steel strike	Aug. 29 17
Russian trade mission is approaching U.S. chemical, equipment and engineer concerns	July 11 17		Are makers overemphasizing purity, losing markets to Japan? (charts)	Oct. 10 65		Continuation of strike would pose some rough problems for coal chemical consumers	Sept. 19 115
Sales and earnings figures show industrial chemical makers are hardest hit by steel strike (table)	Nov. 7 25		Casting optical-quality silicon	Oct. 17 70		Liquid Steel, a steel filling compound	Aug. 15 85
Sales and earnings from late-reporting companies	Dec. 5 24		Japanese firms to produce semi-conductor-grade silicon	Aug. 8 64		Effects of the strike are beginning to be felt by CPI	Sept. 19 19
Sales and earnings reports confirm that April-June was industry's fattest quarter	Aug. 8 24		Lower-grade silicon in electronic applications approved by semiconductor maker	Oct. 24 81		Government move to break the steel strike impasse probably with a Taft-Hartley injunction is looked for in about two weeks	Sept. 26 29
Sales and earnings reports run far ahead of '58	Oct. 24 23		Prediction that electronics industry will switch to using lower-grade silicon for semi-conductors	Sept. 19 115		High-strength nickel alloy plate for heavy duty equipment	Sept. 5 72
Sales and earnings - sizing up the steel strike's bite (table)	Dec. 19 25		Purification - patent	Dec. 12 110		Outcome of steel strike will cue CPI management's approach to upcoming labor bargaining (table)	Dec. 19 43
Sales meeting time trimmed by Connecticut chemical process concern	Nov. 14 112		Rectifiers	Sept. 19 74		Plant reopenings brighten CPI's supply, expansion, profit outlook (charts)	Nov. 21 26
Salesmen - budgeted time builds bigger sales	Oct. 10 102		Semiconductor center for research and production of solid-state materials devices	Nov. 28 80		Sizing up the steel strike's bite (table)	Dec. 19 25
Salesmen - how to turn magic into effective sales tool	July 18 90		Semiconductor-grade silicon is being manufactured in the United Kingdom	Dec. 12 109		Solution for steel - Viewpoint H.C.E. Johnson	Oct. 17 16
Salesmen - Monsanto tests its salesmen in manager's role	Aug. 1 38		Siemens-Westinghouse process	Aug. 15 58		Strategic-utility steelmaking process sides-steers coke-oven chemicals (chart)	Dec. 26 34
Salesmen - need to concentrate in home offices - program at sales clinic Sept. 12-84	Oct. 22 22		Silicon alloy cleanup by Czech technique	Oct. 17 67		Strike hits chemical supplies (charts)	Sept. 5-18, 47
Salesmen - on-the-road costs up	Oct. 3 66		Silicon carbide as an electron source	Aug. 22 42		Strike, threatened rail walkout, may hurt next six-months' record of sales and earnings (chart & table)	Oct. 31 21
Salesmen take to personal flying to reach more customers	Sept. 19 128		Silicones			Strike will depress '59 chemical sales	Nov. 14 19
- letters	Nov. 28 28		Fluid emulsions prices are shaved	Sept. 19 124		Three settlements with Union Carbide	Aug. 5 18
Small cars or big, rising auto sales will run up CPI's '60 revenues	Oct. 17 32		New silicone varnish	Nov. 21 192		Vacuum-coating cadmium and aluminum on steel	Aug. 22 63
Soap and detergent sales in '59	Sept. 5 58		Pechiney process is now turning out ultrapure silicone	Oct. 3 72		Vacuum degassing of molten steel may force revision of steel specifications	Dec. 12 76
Southeastern distributor is looking toward wider sales (map)	Sept. 26 83		Prices	Nov. 28 100		Washington views the steel strike as a disguised blessing for the business trend	Nov. 7 27
Soviet officials talk sweet for U.S. trade	Sept. 18 25		"Single package" sealant	Oct. 17 74		Workers response to steel referendum will be significant in interpreting results	Dec. 26 28
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Vinyl resin sales for coatings will be up 30% in '59	Oct. 31 70		Sodium borohydride	July 4 18		Feed additive can still be used for beef, banned to fatten chickens	Dec. 19 29
West German businessmen may reap the biggest benefits from relaxation of East-West tensions	Oct. 3 23		Navy cancels contract	Oct. 10 96		Stockpiles	
Yugoslavia - chemical equipment sales to Yugoslavia may be snagged by industry opposition	Dec. 12 22		Price cut	Dec. 12 110		Disposal of excess strategic metals will be big issue in the coming election year	Sept. 26 29
			Sodium phosphate - Chlorinated trisodium phosphate production is increasing rapidly on the West Coast	Dec. 12 110		Latest skirmish over policy	July 4 28
			Sodium propionates - Prices	Dec. 12 110		Strippers	
			Solar Energy			Acrylic resin coatings stripper	Oct. 31 66
			Coating to prevent damage to delicate silicon cells of solar batteries	Oct. 17 67		Aerosol paint stripper	Oct. 31 66
			Thermoelectric generator	July 4 43			
			Solar furnace kit	Nov. 7 66			
			Solders - Liquid flux	Nov. 28 73			



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Foiling fallout	Sept. 19 106	Tax reform hearings this fall may lead to some tax cuts	Aug. 29 47	Bayer trademark suit	Oct. 24 30
Research project on removing strontium-90 from milk, by USDA, AEC and PHS	Oct. 17 80	U.S.-India tax relief treaty has been signed	Nov. 28 46	Du Pont claims Acrolite has been infringing its trademark for Pro-tek	Oct. 17 108
Styrene - Outlook for '60 (table)	Dec. 26 73	U.S. Supreme Court to decide on Texas state tax on government-owned plant	Oct. 10 40	Jeebie-Genie trademark fight	Oct. 17 20
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Hungarian engineers have developed new cleanup technology	Oct. 3 55	<b>Technetium</b> - Extraction process for obtaining technetium from waste fission product solutions is claimed by UKAEA	Dec. 26 50	Trailers - Bulk liquids can be carried in collapsible rubber tanks along with other freight	Nov. 28 82
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Disulfate desulfurization unit designed to remove 90% of sulfur content	Oct. 24 90	Temperature - Research bears down on barrier	Oct. 10 53	Transistors - Sales prediction	Aug. 22 52
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U.S. Frash sulfur sales slow down	July 25 43	Onore becomes the nation's second producer	Aug. 1 52	Welded carbon steel tubing for heat exchangers	Aug. 1 33
Sulfur tetrafluoride available from Du Pont	Aug. 22 67	<b>Tetrocycline</b>		<b>Tungsten</b>	
<b>Sulfuric acid</b>		F.T.C.'s hearing in New York is continuing	Oct. 31 17	Alloys of tantalum and tungsten provide the highest-known melting points of any material except rhenium	Aug. 29 85
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Two plants coming	Sept. 12 40	Tetraethyl lead - New antiknock compound	Oct. 10 74	High-purity tungsten from USBM	Oct. 3 55
Unit is being built to supply Du Pont's caprolactam operation at Beaumont, Tex.	Dec. 26 18	<b>Taxes</b>		Tungsten and molybdenum powders for commercial use in alloys developed by USBM	Oct. 3 72
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European Free Trade Assn. will cut tariffs 20%	Dec. 5 25	Brand-new tire concepts	Nov. 14 20		
Lead and zinc - tightening of import quotas considered	July 11 32	Butyl hopes ride on tire sales (chart & table)	July 4 31		
Look for a showdown on U.S. tariff and trade policy, now that Mueller has been nominated	Aug. 1 27	Canadians may enter the U.S. nylon/rayon tire-cord hassle	Aug. 15 67		
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Industry's taxation and financing problems will probably be pigeonholed until after the '60 elections	Dec. 26 17	Titanium dioxide - Japanese titanium dioxide is not being dumped on the U.S. market	Dec. 26 75		
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AFN, Inc. - plans to expand high-energy-fuels plant at Henderson, Nev.	Aug. 15	83	Pitman-Moore Co., a division, has new palsy aid	Sept. 19	108	Headquarters to be built in Wayne Township, Passaic County, N.J.	Dec. 5	86
Alfa Solvents Corp. - aerosol cleaning fluid	Sept. 26	26	Allied Petrochemicals, Inc. - changed its name to Allied Petrochemicals, Inc.	Aug. 22	24	Lederle Lab. developed single-dose oral polio vaccine	Sept. 26	25
Agricultural Biological Corp. - considering mass production of Elastase ACS meeting told	July 18	93	Allis-Chalmers Mfg. Co. - developed a simplified process for silver-plating aluminum	Aug. 15	47	Lederle Laboratories Division - drug prices defended	July 4	43
Air Express International Corp. - "door-to-door" rates on chemical air freight	Aug. 15	51	Resigned line of exonerators	Aug. 22	24	Lederle Laboratories expands oral polio vaccine research and production facilities	Oct. 17	35
Air Products, Inc. - Allentown, Pa., conference on cryogenic system safety	Aug. 15	26	Reducing prices of large turbines	Nov. 28	120	Lederle Laboratories has been ordered to stop discharging untreated wastes in the Missouri River	July 18	72
Planning to offer new securities to finance expansion	Nov. 7	43	Silicon rectifiers	Aug. 1	43	Leesacer Laboratories Division - new testimony at FTC's hearings in New York	Aug. 22	28
Small firm when it joined IOMA, is now rapidly becoming large company	Nov. 28	49	Turbine pump	Aug. 8	36	Lederle Laboratories Division unveils new broad-spectrum antibiotic, more effective than tetracycline	Oct. 24	30
Air Reduction - air separation plant under way at Baton Rouge, La.	Aug. 8	68	Unveiled new fuel cell	Oct. 24	72	Malathion is a possible replacement for DDT for mosquito control	Oct. 17	74
Kurashiki's U.S. license for polyvinyl alcohol process known	Oct. 10	95	Alloy Industries Development Co. - nonacid descaler, Aldico 10	Nov. 28	74	Malathion plant at Bridgeville, Pa., into production next year July 25-33,	Sept. 19	49
National Carbide Co. - strike prevented at Louisville, Ky.	Sept. 12	41	Alnico, Inc. - Oilco batheson has picked up full ownership by purchasing the 50% interest held by Textron, Inc.	Nov. 14	108	Aug. 8-31, Aug. 22-31	Oct. 24	24
Pushing construction of PVA plant at Calvert City, Ky.	Dec. 5	82	Aloe Scientific - division of Brunswick-Balke-Collender Co. offers flexible polyethylene centrifuge tube closures	Nov. 7	66	Melamine-acrylic resin for use in water-thinned finishes	Oct. 24	90
Using generic term vital to identify	Oct. 31	53	Aluminum Co. of America - Alcoa plans expansion at Wenatchee, Wash., and is going ahead with construction of die-casting plant in Edison Township, N.J.	Sept. 26	26	Moving headquarters from New York City to New Jersey	Oct. 31	39
Air Reduction Chemical - new vinyl acetate monomer bulk storage plant at Port Richmond, Calif.	Nov. 21	31	Alcoa Research Laboratories has developed superhard aluminum	Aug. 15	58	Pharmaceutical sales have ranked from second to last in drug industry	Nov. 14	41
PVA expansion at Calvert City, Ky.	July 18	42	Developed an aircraft with a skin made of lithium-aluminum alloy	Nov. 28	58	Phosphate contract signed at Brewster, Fla.	Aug. 22	49
Air Reduction Sales Co. - will build a new air-separation plant to supply oxygen by pipeline to Tennessee Coal & Iron Division of U.S. Steel at Fairfield, Ala.	Aug. 1	24	No production shaving is planned	Nov. 14	108	Phthalic producer	Nov. 21	171
Ajinomoto Co. - has German patent on a synthetic route for producing glutamic acid	Sept. 12	99	Planning new aluminum fabricating concern with ICI, Imperial Aluminum Co., to operate plant at Wauwaniwyed, South Wales	July 4	25	Polymeric dye acceptors research	Nov. 28	82
Licensed Dow for production and sales in the U.S. and Canada of synthetic alpha amino acid	Dec. 5	26	Resuming limited construction of its \$30-million aluminum smelter at Warrick, Ind.	Oct. 31	25	Price hearings	Nov. 14	41
Alabama Metallurgical Co. - Magnet, jointly owned by General & Hecla and Brooks & Perkins, plans full production of magnesium before '60 at Selma, Ala.	Sept. 19	42	Merwin, Pa. - Canada decided to resume the hydro-electric project north of Quebec City, after two years	Oct. 3	100	Experts from outside	Sept. 5	91
Alaska Lumber & Pulp - has been test-running its \$60-million pulp mill	Sept. 12	41	Aluminum Co. of Canada decided to resume the hydro-electric project north of Quebec City, after two years	Oct. 17	20	Sales and earnings	July 25-19	Nov. 28-48
Alaska Pine & Cellulose Ltd. - Rayonier has changed the name of its Canadian subsidiary to Rayonier Canada	July 11	27	Dow will swap magnesium for aluminum	Sept. 5	17	Shell Chemical plans to produce polystyrene at Wallingford, Conn., on a contract deal	Sept. 26	19
Albatros Superfosfaatfabriek N.V. - acquired Hy-Trous Co. of Canada	Dec. 26	25	Will boost the capacity of its Kingston, Ont., plant	July 25	35	Started producing its acrylic fiber, Creslan, at Pensacola, Fla., rather than at acrylonitrile, comes from Fortier, La., plant	July 11	84
Royal Netherlands Salt Industry plans acquisition of leading Dutch producer of superphosphate	Dec. 26	24	Amalgamated Chemical Co. - new firm holds 50,000 acres in potash permits in Utah and Colorado	Sept. 12	41	War-gas plant at Azusa, Calif., goes on the auction block	Dec. 19	56
Albemar Paper Manufacturing Co. - stock dividend declared	Aug. 22	25	Amcel Propulsion, Inc. - Celanese set up new company to own and operate propellant plant at Asheville, N.C.	July 11	18	Will dive into Britain's synthetic fiber market with Creslan acrylic	Dec. 19	20
Alchemize Corp. - aluminum-silicon polish	Oct. 17	36	Amer, William Co. - purchased all the shares of H. Swoboda & Sons, tanner of horsehide leather	Sept. 19	56	American Diversified Mutual Securities Co., Inc. - collaboration with ESA in setting up investment plan	July 25	83
Alco Oil & Chemical - sales and earnings	Nov. 28	73	Amercoat Corp. - Duncelco is used at Freeport's sulfur mine to prevent corrosion	Nov. 28	110	American Enka - AKU's U.S. affiliate will give technical assistance to Cydsa	Aug. 22	25
Algemeene Kunstzijde Unie N.V. (AKU) - Celulosa y Derivados, S.A. and AKU will build a nylon yarn plant at Monterrey	Nov. 7	57	Zinc coating	Oct. 10	50	Ross, F.H., to be exclusive national sales agent for sodium sulfate	Sept. 26	83
Alkali & Chemicals Corp. - ICI subsidiary is building rubber chemicals plant in Rishra, West Bengal	Dec. 5	82	American Agricultural Chemical Co. - will build sulfuric acid plant at Cairo, O.	July 25	35	Sales and earnings	July 18	66
All-State Welding Alloys Co. - liquid flux	Sept. 12	40	American Air Liquids - manufacturing affiliate, L'Air Liquide, has won a contract to build low-temperature gas separation plant for Yugoslavia	Dec. 5	26	Yes and extra dividend to stockholders	Nov. 7	17
Allied Chemical - Brown, Chester Melville, to become president	Nov. 14	88	American Alkyd Co. - disaster handling at Carlstadt, N.J. plant when two tanks of synthetic resins exploded	July 11	76	American Express Co. - entry into international air freight business opposed	July 18	93
Chemical Row buffered	Nov. 7	57	Equips its salesmen-president with a plane	Sept. 19	128	American Felt Co. - filter cartridge is replaceable, made of viscose fibers	Sept. 26	96
DDT contract with GSA	Nov. 21	31	American Asbestos Co. - sold a major deposit of chrysotile asbestos near Stockton, Calif. to Jefferson Lake Sulphur Co.	Nov. 21	31	American Glass Tinting Corp. - glareless windows	Sept. 19	51
Dixon and Allied worked out a consent decree	Sept. 19-40	Oct. 17-95	American Bitumuls and Asphalt Co. - introduced cationic asphalt emulsions in the U.S.	Dec. 12	82	American Home Products - antitrust suit against five polio vaccine producers opens in Trenton	Oct. 17-20	Oct. 24-28
Expansion of nylon-6 and polyethylene	Nov. 14	88	American Can - experimenting with plastic-coated containers	Aug. 8	92	Exonerated of vaccine maker in federal court may favor upcoming drug price hearings	Dec. 12	42
General Chemical Div.: disaster handling at Denver plant when sulfur trioxide gas escaped	July 11	76	American Chemical Corp. - jointly owned by Richfield Oil and Stauffer Chemical, will go ahead on the PVC unit at Watson, Calif.	Aug. 1-17	Sept. 19-38	American Israeli Paper Mills - sales and earnings; new facilities are to be in operation by the end of this year	Sept. 12	41
General Chemical Division has 25 aluminum sulfate plants throughout the U.S.	Dec. 5	86	American Cyanamid - aminotriazole producer heads off bad publicity in cranberry crisis	Nov. 21	42	American Machine and Foundry Co. - Amflex Products Dept. has developed filter cloth, called Amfab, and Teflon-impregnated cloth, called Fiberfilm	Sept. 26-96	Nov. 7-66
General Chemical Division - partly moved into new quarters in Morristown, N.J.	Oct. 31	41	Antibiotic suit act 2 Sept. 26-26	Nov. 28	47	Research and Development Division established to consolidate five divisions as one corporate unit	Aug. 8	76
General Chemical Co. plans to build its 29th aluminum sulfate plant at El Segundo, Calif.	Sept. 19-40	Oct. 17-95	CCC plant growth regulator is under study at Michigan State U.	Nov. 7	64	American Maize, Inc. - OCAW ordered a strike vote	July 4	68
General Chemical Division - weed and brush killer being marketed under the tradename Uraib	Nov. 14	88	Clow, Allan, predicts chemical and allied			American Marietta Co. - acquired stock of Steel City Electric Co.	Nov. 28	49
General Chemical Div. will move a substantial portion of its New York office to Morristown, N.J.	July 18	74				Plans to build a resin plant at Richmond, Calif.	Aug. 29	113
Increased quarterly cash dividend and proposed stock split	Nov. 7	17				Will acquire Dewey Portland Cement Co. through an exchange of stock	Sept. 5	31
Major coal-tar industry problems listed by Tom Kinsella	Oct. 31	69				American Messer Corp. - designed and built argon-producing system	Aug. 22	59
Meyer, Eugene, cofounder of Allied, died last weekend	July 25	19				American Metal Climax - contract at Carieret, N.J. smelter and refinery	Sept. 12	96
National Aniline and General Chemical Divisions' new water supply contract with Buffalo City	Sept. 26	20				American Metal Products Co. - helium and argon purification	July 18	42
National Aniline Div. is expanding maleic						American Motors - automobile finishes	Oct. 3	84
						American Oil Co. - stiffer labor bargaining brings varied results at Texas City, Tex., and El Dorado, Ark.	Dec. 19	43
						Strikes at Texas City, Tex., and El Dorado, Ark. July 11-78, Sept. 5-100,		



Sept. 19-98, Sept. 26-106, Oct. 10-82, Nov. 14-99, Nov. 21-24	Dec. 5	94	Arizona Fertilizer & Chemical Co. - new name for Arizona Fertilizers	Oct. 3	31	Aurora Gasoline Co. - sulfuric acid alkylation unit is being built by Vibro's Treco Construction Div.	Nov. 28	49
American Parboard - purchased by National Starch	Oct. 17	36	Planning to offer new common stock to the public to get additional money	Oct. 17	34	Australian Paper Manufacturers Ltd. - signed a 15-year reciprocal research agreement with Metal Hydrides Inc.	Nov. 28	84
American Potash & Chemical Corp. - AFN high-energy-fuels plant may be expanded	Aug. 1	44	Arkansas Louisiana Chemical Corp. - adding hydrochloric acid to its product list	Dec. 26	18	Austria-Chem-Atom - group to study nuclear fuel	Aug. 15	62
Ammonium perchlorate prices cut	Sept. 19	124	New recovery units for ethane, propane and butane	Aug. 15	27	Avco Corp. - disclosed a stepped-up research program to develop a magneto- hydrodynamic device for direct conversion of heat into electricity	Nov. 28	89
Increasing sodium chlorate capacity at Aberdeen, Miss., to satisfy the pulp and paper industry	Aug. 22	17	Amco Steel Corp. - idled by steel strike - coke supplier forced to lay employees	Oct. 10	80	High-temperature plasma heat generator	Aug. 1	49
Lindsay Chemical Division's monazite capacity	Sept. 19	120	New facilities in Middlefield, O., will provide for entry into nuclear research	Nov. 7	64	Avco-Everett Research Laboratory - Project Mercury may employ plastic or ceramic heat shielding, says Mac C. Adams	Oct. 17	73
Sales and earnings	July 25	19	Armour & Co. - animal glue patent	Oct. 10	48	AviSun - appears about ready to announce a big new polypropylene plant	Dec. 19	19
Settlement at Henderson, Nev.	Oct. 10	80	Formed new subsidiary, Armour Industrial Chemical Co.	July 18	28	Becomes commercial polypropylene film producer	Dec. 26	59
Will exclusively develop and distribute Molybdenum's rare-earth products in the glass industry	Aug. 1	24	May become first basic producer of three main - N, P, K - fertilizer materials	Dec. 12	43	Big column for Sun's propylene	Aug. 15	64
American-Saint Gobain Corp. - revealed plans for financing construction of plate glass plant at Greenland, Tenn.	Aug. 15	27	Metals-from-seawater patent	July 18	56	Borrowed research speeds commercializa- tion of propylene at Port Reading, N.J.; film and fiber plant is going up at	July 18	71
Selected a site 14 miles from its Blue Ridge, Tenn., plant for its planned \$50-million plate-glass plant	Aug. 1	17	New owner of the Sebba process for ex- tracting metals from sea water	Aug. 22	49	Has a polypropylene plant at New Castle, Del.	Nov. 14	20
Will build plate glass unit in the Ohio River Valley	July 4	21	Testing polyethylene containers for liquid detergent	Nov. 7	26	Joint venture of American Viscose and Sun Oil has begun startup runs of pro- pylene at Port Reading, N.J.; renova- tion of New Castle, Del., facilities will soon be completed	Sept. 12	39
American Shipbuilding Co. - developed a waste disposal treatment, called Biogest	Dec. 5	40	Amour Agricultural Chemical Co. - phosphate contract signed in Florida	July 4	41	Sun Oil will produce propylene for use by AviSun in making polypropylene at Port Reading, N.J. and New Castle, Del.	Aug. 1	23
American Smelting and Refining - Central Research Laboratories' new facilities for high-purity arsenic is in operation	Nov. 7	80	Realigned top management and setting up two major divisions: The Fertilizer Division and The Nitrogen Division	Aug. 1	24	Axinn-Levine Associates - offers trade-in plan	Sept. 19	94
Producing high-purity gold	Aug. 22	67	Will continue to operate ammonia plant at Festus, Mo., recently acquired from Mississippi Valley Fuel	Aug. 1	24	Ayerst, McKenna & Harrison Ltd. - started construction of a pharmaceutical research center in Ville St. Laurent, Que.	July 25	112
Six U.S. lead and zinc smelters have teamed up in opposition to current quotas	Sept. 12	99	Amour Chemical Div. - corrosion inhibitor	Aug. 15	62	Aylward Chemical Co. - producer of liquid fertilizers acquired by Unexcelled Chemical	July 18	28
Support to dual rates for ocean shipping	Aug. 1	18	Amour Chemical Industries - Chem. Eng. Division and Hess Products will be merged into a new company, Amour Hess Chemicals, Ltd.	Aug. 1	24	Aziende Colori Nazionali Affini - Montecatini subsidiary will have S-W licensed fluid- bed phthalic unit	July 18	37
American Sterilizer - developed suitable equipment for dispensing ethylene oxide	Sept. 26	52	Amour Hess Chemicals, Ltd. - new company by merger of Hess Products and Amour Chemical Industries	Aug. 1	24			
American Viscose - AviSun borrows re- search to speed polypropylene production	July 18	71	Amour Industrial Chemical Co. - new sub- sidiary to take over Amour & Co.'s fatty acids operations	Aug. 1	24			
Carbide obtained option to buy closed- down rayon plant at Roanoke, Va.	July 25-33	Aug. 22-25	Amour Research Foundation - has broken ground for its research center in Chicago	Aug. 15	62			
Moving its Central Research Dept. offices from Philadelphia to Marcus Hook	July 25	35	Plastics processing					
New contracts at Fredericksburg, Va.	Aug. 1	66	Will use the facilities acquired by Illinois Institute of Technology for pilot-plant studies	Nov. 21	159			
Patent attorney Worth Wade comments on Avisco's patent policy	July 25	110	Armstrong Cork Co. - rail joint adhesive	Aug. 8	66			
Sales and earnings	July 25	19	Arnold, Hoffman & Co. - anti-ozone compound Producing Dynakote for GIL	Dec. 5	45			
Shenandoah River pollution suit	Sept. 19	96	Will lease space to Canadian Industries	Oct. 31	25			
American Zinc, Lead & Smelting - six U.S. lead and zinc smelters have teamed up in opposition to current U.S. quotas	Sept. 12	99	Asahi Kasei Chemical Co. - New Japan Chemical, subsidiary, will produce salt by electrolysis	Aug. 8	66			
Ames Co. - early diagnosis of various dis- eases is a goal of current urinalysis studies	Nov. 21	158	Ashtand Oil & Refining - AF has contracted for 100,000 gal. naphthenes	Dec. 5	69			
Ames Laboratories - amine intermediates	Dec. 12	62	Completing an aliphatic solvents and jet- fuels expansion at its Leach, Ky. refinery	Oct. 17-95	Dec. 5-88			
Amoco Chemicals			Will build a plant at Buffalo, N.Y. to make synthetic naphthalene from petroleum	Aug. 1	24			
Is setting up Amoco Fina S.A. in conjunc- tion with Petrofina S.A. in Belgium for manufacture and marketing of petroleum product additives	Oct. 17	19	Will sell feedstock to Novamont's Montecatini subsidiary, polyolefin plant at Neal, W.Va.	Nov. 21	171			
O'Connell's resignation may bring about a switch in phthalic anhydride pricing policy	July 25	97	Asscher - Amsterdam diamond cutter has applied for synthetic diamond patent	July 18	28			
Potential producer of TPA	Aug. 1	52	Associated Chemicals Co. - alum plant will start up in Panama, Canal Zone	Dec. 5	70			
President Jay Forrester tells that the firm has shipped dimethyl terephthalate to Goodyear	Aug. 22	41	Associated Chemical Companies Ltd. - will own a substantial proportion of a new company, Amour Hess Chemicals	Aug. 15	67			
Will build plant to produce trimellitic anhydride	Aug. 22-17	41	Associated Control Equipment, Inc. - metering pump	Aug. 15	67			
Will put up plant at Joliet, Ill., to produce polystyrene via process developed by Standard Oil of Indiana researchers	July 18	18	Servo-Gauge oscillator, timer for auto- matic equipment	Dec. 5	69			
Amoco Fina S.A. - Amoco Chemicals is setting up the company in conjunction with Petrofina S.A. for manufacture and marketing of petroleum product additives	Oct. 17	19	Associated Electrical Industries - operates England's first privately owned nuclear reactor, called Merlin	Nov. 7	64			
Anaconda Co. - move to stave off a strike at Butte, Mont.	Aug. 29	108	Associated Engineering Chemistry, Inc. - squeeze bottle auto polish and tire cleanser	Nov. 7	46			
Anchor Oil Co. - contracted for the first 10 years' output of high-octane gasoline from NGLC's new refinery in Orange County, Tex.	July 4	25	Associated Testing Laboratories, Inc. - will build environmental testing facility in Orlando, Fla.	Sept. 12	115			
Anchor Serum Co. - ordered to stop dis- charging untreated wastes in the Missouri River	Aug. 22	28	Associated Valve Co. - heavy-duty globe valves	Nov. 7	46			
Anderson, V.D., Co. - new purifier cleans air and steam in lines	Nov. 7	48	Asta-Werke AG - cancer drug, cyclophosphamide, synthesized	Dec. 5	70			
ANIC - is forming a company, with Phillips Petroleum, to build and operate a carbon black plant	Nov. 21	31	Astoria Plywood - Evergreen Chemical set up by Astoria and Milnahan Plywood.	Aug. 15	67			
Ansil Chemical Co. - herbicide's name changed from Arsan to Ansil	July 18	66	Astrodrate, Inc. - will continue to operate as part of North American's Rocketdyne division	July 25	33			
Prices of N-methyl pyrrole are cut	Oct. 24	90	Athletic Mining and Smelting - six U.S. lead and zinc smelters have teamed up in opposition to current U.S. quotas	Sept. 12	99			
Applied Radiation Corp. - L-band linear accelerator	Oct. 3	72	Atkins Technical, Inc. - psychrometer	Dec. 5	56			
Three big, new linear accelerators will be built this year	Aug. 29	86	Atlantic Refining Co. - agreement with Engelhard Industries for the licensing of Atlantic's Cofarming process	Aug. 15	64			
Arabian American Oil Co. - offering natural gas for industrial use in Saudi Arabia	Aug. 8	25	New \$10-million wax recovery plant boasts improved solvent dewaxing process	Aug. 8	63			
Archer-Daniels-Midland - joint plastics research program with A. Boake, Roberts & Co., Ltd.	Nov. 7	64	Atlantic Research Corp. - acquired the A.M. Martin Co.	Oct. 3	100			
Olson, E.A., says that research on African daisy oil may benefit consumer, industry and agriculture	Dec. 12	58	Cost-saving idea for solid-propellant production	Aug. 1	48			
Sales and earnings	Sept. 5	17	Atlas Powder - Aquanex DePL uses light planes to help sell corrosion-inhibitors to isolated customers	Sept. 19	128			
Argonne National Laboratory - atom smasher, dubbed the Zero Gradient Synchrotron Started construction of three facilities for nuclear research	July 4	43	Dedicated activated carbon research laboratory at Marshall, Tex.	Nov. 7	64			
Aries Associates, Inc. - polyethylene catalyst	Dec. 12	60	Price cut on reinforced polyester molding compounds, Thermoform Inc.	Nov. 28	60			
Prediction of a changing silicon demand pattern	Oct. 17	68	Atomic Fuels Corp. - startup of Japan's first uranium plant	July 11	35			
Predicts that electronics industry will switch to lower-grade silicon	Oct. 10	65	Atomic Research Establishment - Britain's first reactor facility will pipe radioactive wastes to sea from nuclear test site	July 25	46			
Trend is toward use of less expensive silicon	Sept. 19	115						
Arizona Fertilizers Inc. - changed name to Arizona Fertilizer & Chemical Co., and organized subsidiary, Cortez Chemical	Oct. 24	81						



Bay Refining Co. — gets straight-run refinery products from local Michigan wells, as well as from its tap on the Canadian pipeline.	Nov. 14 20	The By-Products Co. — odor from Rock Hill, S.C., paper mill drift across the state line, fouling the air near Charlotte, N.C.	Oct. 3 31	Bzura Chemical — claims it makes 70% of its fumaric from fermentation materials.	Sept. 5 88
Will be grouped with two plants now coming onstream.	Oct. 31 17	Paper strike at Catawba, S.C.	Sept. 19 96	Newly formed company seeks funds for plume into citric acid manufacture.	Aug. 29 41
Bayer Co. of New York — Sterling acquired the firm and the Bayer trademarks in 1919.	Oct. 24 30	Subsidiary of Bowaters Paper Corp., Ltd. has revealed long-range plans to erect a \$25-30-million plant adjacent to its Catawba, S.C., plant.	Oct. 24 30	Producer of fumaric acid seeks to break into the citric lineup.	Aug. 29 41
Beaunit Mills — first commercial use of Mylon polyester in cotton blends.	Aug. 15 23	Bowaters Paper Corp. — Bowaters Carolina Corp., a subsidiary has revealed long-range plans to erect a \$25-30-million plant adjacent to its Catawba, S.C. plant.	Oct. 24 30	Short-cycle, deep-fermentation citric acid process.	Dec. 5 36
Beck Equipment — paint and finish remover.	Nov. 28 74	Bower, Henry, Chemical Manufacturing Co. — nitrosyl chloride.	Oct. 24 30		
Beckman Instruments, Inc. — sales and earnings.	Dec. 12 44	Bowman Chemical Ltd. — lactic acid purification at Moss Banks Works.	Sept. 12 48	C-L Paints, Inc. — U.S. subsidiary of Canadian Industries.	Dec. 5 45
Bee Chemicals Co. — liquid polyvinyl plastics.	July 25 94	Bowser, Inc. — Process Filters Division.	Aug. 8 68	Calaveras Cement Co. — acquired by Flintkote Co.	Oct. 31 18
Beecham Group — will spend \$2.8 million to develop its line of synthetic penicillin.	July 18 60	Bradshaw's Ltd. — acquired by Dow Chemical of Canada.	Sept. 26 96	Flintkote is merging with Calaveras.	Aug. 8-17 Aug. 29-42
Bell & Howell Co. — advance look at the probable GOP platform for '60 can be gained from report.	Oct. 17 40	Bressard Hair Products, Inc. — acquired by Revlon, Inc.	Dec. 19 26	Will construct a cement plant at Redding, Calif.	Nov. 21 31
Bell Telephone Laboratories — boron crystals can be made by new floating zone method.	Nov. 7 70	Bristol Co. — radiation pyrometer system.	Sept. 26 64	Calcium Products — division of Georgia Marble has opened a sixth plant to produce calcium carbonate pigment.	Aug. 8 25
Chemical research in materials capable of performing circuit functions.	July 11 61	Bristol Laboratories — dedicated addition to its Syracuse, N.Y. center, featuring emphasis on fermentation.	Oct. 10 92	Calgary and Edmonton Corp. — plans joint oil processing, gas-treating and sulfur recovery facilities, with several Canadian firms, in the Inimissal oil field, near Calgary, Alt.	Nov. 21 31
Developed an automatic plate processor.	Nov. 28 120	Oral penicillin named Synicillin.	Nov. 7 63	California Chemical Co. — Powell, Fred, new president, has been given a mandate to accelerate Socal's broad chemical interests.	Sept. 5 30
Silk-screen circuitry on anhydrous ammonia.	Oct. 3 55	Schwartz, Frederic, president, will be a witness at FTC tetracycline hearing.	Oct. 31 60	Subsidiary of Standard Oil of California to construct West's first maleic anhydride plant.	Aug. 22 51
Benckiser, Joh. A. GmbH — citric isolation, new process patented in Germany.	Dec. 5 40	Synethin, more useful form of tetracycline.	Nov. 21 30	California Industrial Chemical — Oronite, a subsidiary, will market Standard's maleic.	Aug. 22 51
Bendix Aviation — Bendix-Pacific Division is out with hydraulic valve.	Aug. 29 129	Cooperative research agreement with Britain's Beecham Group.	Sept. 12 48	California Ink Co. — Colorblend Report for the first half of '59 — greige shows gains.	Aug. 15 82
Bergstrom Paper Co. — directors have proposed a 50% stock dividend that would increase authorized shares of Class A stock.	Aug. 29 44	Drug prices defended.	Oct. 17 35	Caliform Institute of technology — received \$1,050,000 from Firestone for construction of a new aeronautics lab.	Aug. 8 78
Beryllium Corp. — beryllium metal components made with new equipment at Hazleton, Pa., plant.	Aug. 8 72	Schwartz, Frederic, president, tells of high-level negotiations on tetracycline at FTC hearings.	Oct. 31 85	California Oil Co. — use of outside contractors was at the heart of a three-day strike at Perth Amboy, N.J.	Oct. 24 68
Directors plan stock split; major expansion completed at Hazleton, Pa., metal fabrication plant.	Aug. 29 42	British Alkali Co. — desulfurization process.	Nov. 28 47	California Research Corp. — automatic pilot plant to cut time, cost of evaluating catalysts at Richmond, Calif.	Nov. 7 74
Formed a new Beryllium company, Consolidated Beryllium Ltd., with Imperial Smelting.	July 18 27	New distillate desulfurization unit onstream at Clarkson, Ont.	Oct. 17 70	Isophthalic technical service.	Aug. 8 31
Sales and earnings well above the current CPI trend-line.	Nov. 7 25	Uses flaming arrows to relight burn-off stack.	Oct. 24 90	New patent covers a free-floating piston reactor.	Aug. 15 58
Setting up Consolidated Beryllium, as a joint venture with Imperial Smelting.	July 11 18	Will build alkylation unit for high-octane gasoline production at its Clarkson refinery.	Oct. 31 85	Standard Oil Co. of California's research arm has a new process "Isocracking" turns low-value distillates into premium fuels.	Oct. 24 38
Besler Corp. — regulator valves.	Sept. 19 74	British Celanese — will double capacity of its Coventry plant for polyethylene and other polyolefin mono- and multifilament yarns.	Dec. 5 26	California Spray Chemical — combination of Dibrom and Di-Die 67 silica gel dust controls dog ticks.	Nov. 14 79
Best Fertilizer — fertilizer on anhydrous ammonia delivered in California's Central Valley.	Sept. 26 46	British Glues & Chemicals, Ltd. — extraction of protein diet supplement from inedible vegetable materials.	Dec. 12 45	Standard subsidiary will use maleic at the Perry, O., plant.	Aug. 22 51
Bestwall Gypsum Co. — building a gypsum board plant in New Orleans.	Dec. 26 41	British Glues & Chemicals, Ltd. — extraction of protein diet supplement from inedible vegetable materials.	Oct. 3 49	Callery Chemical — AF has received new orders on production of boron fuels.	Dec. 5 17
Bethlehem Steel — increasing coke and by-product capacity at Buffalo, N.Y.	Dec. 26-18 25	British Paints, Ltd. — Products Research has negotiated working agreements.	Oct. 10 45	Borohol contract cancellation.	July 11-23, Aug. 15-20, Oct. 22-21, 41
Betz Laboratories Inc. — lab-scale water demineralizer.	Sept. 12 50	British Petroleum — Shell Co. of East Africa and B.P. have signed agreement with Kenya for construction of refinery at Mombasa.	Oct. 10 45	Sept. 5-17, 27, Oct. 3-30, Nov. 28-42.	Dec. 12 21
Big Three Welding Supply — has no technical information to pass on to other IOMA members.	Nov. 7 43	Broadway Medical Supply — Harris, Bernard, testified on competitive bidding at FTC tetracycline hearing.	Nov. 21 30	Diborane process patent.	Aug. 22 41
Bigelow-Sanford Carpet Co. — Hartford Fibres Co., a division, will market Zantrel fiber.	Aug. 22 42	Broken Hill Pty. Co. — Newcastle Chemical, a joint venture with ICI of Australia, plans to double its phthalic capacity.	Nov. 21 30	Negotiating with the government to lease part of the Sunflower Ordnance Works, near Lawrence, Kan.	July 25 35
Bio-Rad Laboratories offers a new series of ion-exchange resins.	Nov. 21 160	Brooks, P.W. & Co. — selling Bzura stock.	Aug. 8 25	Working on its own hydrolytic process.	Oct. 10 96
Bird Machine Co. — Plier, E.C., says that pressure, and continuous solids removal are problems facing centrifuge makers.	Dec. 12 74	Brooks & Perkins — Alamet, jointly owned with Calumet & Hecla, plans full production of magnesium before '60.	Aug. 29 41	Cal Spray — makes p-chlorobiphenol at Richmond, Calif.	Sept. 5 38
Bjorksten Research Laboratories, Inc. — Aluminum foaming process — recent recipient of a patent.	July 4-44 Aug. 22 42	Brown Co. — building a blumized fiber plant in Birmingham, Ala., planning a unit for Hamilton, Ont., Canada.	Sept. 12 99	Powell, Fred, will be coordinator and stimulator.	Sept. 5 30
Phenolics entrant introduced by Robert Cox at ACS meeting.	Sept. 26 26	Paper manufacturer has acquired Resi-Chem Corp., producer of wet-strength resins.	Aug. 29 41	Caltech — joint venture at Cartegena, Spain.	Sept. 26 99
Black-Clawson Co., Inc. — begun construction of a laboratory in Middletown, O.	Nov. 21 160	Bruning, Charles, Co. — is reading new research center in Prospect, Ill.	Dec. 19 26	Petroleum and Chemicals Corp., an affiliate of Calumet, will be Consol's partner in styrene monomer plant in Australia.	July 11 27
Will manufacture two newprint machines for Russia's Technimport.	Dec. 26 25	Brunswick-Balke-Collender Co. — Aloe Scientific Division offers flexible polyethylene centrifuge tube closures.	Nov. 7 64	Calumet & Hecla — Alamet, jointly owned with Brooks & Perkins, plans full production of magnesium before '60.	Sept. 12 99
Blackwell Zinc — site of lead and zinc smelters have teamed up in opposition to current U.S. quotas.	Sept. 12 99	Brush Beryllium — Beryllium Corp. and Brush Beryllium, the only two producers of beryllium metal in the U.S.	Nov. 7 66	Wolverine Tube Div. is showing novel development in light-wall seamless tubing.	July 25 104
Blaw-Knox Co. — soluble protein.	Aug. 8 66	Bryant Pharmaceutical Co. — involved in trademark infringement suit with Commerce Drug.	Oct. 17 73	Calvo Sotelo — includes Spain's state-owned nitrogenous fertilizer plant.	Nov. 28 49
Boake, A., Roberts & Co., Ltd. — joint plastics research program with Archer-Daniels-Midland.	Nov. 7 64	Buck Glass Co. — acquired by Knox Glass Co.	Sept. 5 30	Canadian Chemical Co. Ltd. — plans expansion of its petrochemical section.	Oct. 17 20
Boeing — thermoelectric generator powered by solar energy.	July 4 43	Buckeye Cellulose Corp. — Proctor and Gamble subsidiary brings benefits to Foley, Fla.	Aug. 29 42	Canadian Industries Ltd. — acquired control of Mastex, Ltd. and Mastex Textiles, Ltd. and formed a new company, Mastex Industries, Ltd.	Oct. 24 30
Borax Francals — expansion to supply more boric acid for France, Germany and the Benelux nations.	Aug. 15 20	Building Products, Ltd. — fiber pipe unit for Hamilton, Ont., Canada, will be a joint undertaking of Brown Co., and Building Products.	Dec. 26 42	Building PETN explosives plant at Beloit, Que.	Aug. 8 25
Borax Holdings Ltd. — British parent of U.S. Borax and Chemical Corp. has expanded its Argentine operations by acquiring B. Winstone y Hijos, producer of printing inks and paints.	Oct. 3 31	Buna Werke — second carbide factory in East Germany now being built.	Dec. 12 45	Maintenance statistics.	Aug. 29 127
Borden Chemical — completed pilot plant at Leominster, Mass.	Nov. 28 60	Bunawerke Huels — output of synthetic rubber plant at Marl has reached full capacity.	Oct. 31 42	May try to get into U.S. tire markets.	Aug. 15 67
Epiphen epoxy coatings for low-temperature insulation.	July 18 59	Bunker Hill Co. — will build phosphoric acid plant in Kellogg, Ida., rather than at Kennewick.	Aug. 29 44	Method of bonding polyester fiber to rubber.	Sept. 5 72
Expanding its PVA operations at Leominster, Mass.	Oct. 31 53	Burnham Oil Co. — has awarded contract for a 270-mile pipeline to connect Nahorkatya oil fields with refinery being built near Gauhati.	Oct. 31 42	Orange-subv dye added to the Procion line of ICI dyes.	Sept. 12 115
Has been making acrylic latex "off and on" during the past four months.	Nov. 14 107	Byron Chemical Co. — drug entry.	Aug. 29 44	Revealed plans for new operations in the U.S.	Dec. 5-17, 45
Offering a line of plasticized vinyl book-binding adhesives.	Oct. 31 66	Food enricher: Thiamine diacetyl sulfate.	Sept. 26 26	Sales and earnings.	Aug. 8 18
Offices in Illinois, Ill., were destroyed by fire.	Oct. 10 37	The By-Products Co. — acquired by Bome Chemical.	Oct. 3 31	U.S. subsidiary under the name of C-L Paints, Inc.	Dec. 5 45
Plans to build formaldehyde plant at its Cali, Colombia, site.	July 25 35			Will build Canada's first unit for producing liquid caustic potash at Cornwall, Ont.	Oct. 10 37
Scheduled combined resins and formaldehyde plant for the San Francisco area.	Oct. 31 24			Will increase Canadian representation on its board of directors.	Sept. 19 42
Shopping around for a site for a proposed formaldehyde plant to be located in the San Francisco area.	Oct. 31 69			Will lease space at Cincinnati, O. to manufacture Dynakote.	Oct. 31 25
Started production of acrylic emulsions at Demopolis, Ala.	Dec. 19 37			Canadian International Paper Co. — \$10-million kraft mill at La Tuque, Que.	Aug. 1 22
Sure-Set, bonding product.	Dec. 5 48			Canadian Kellogg Co. — subsidiary of N.W. Kellogg Co. handled design of desulfurization unit for British American Oil.	Oct. 17 70
Border Chemical Co. — has retained Chemical Construction Corp. to design sulfuric acid plant.	Nov. 7 26			Toronto subsidiary of N.W. Kellogg has designed distillate desulfurization unit for British American Oil.	Oct. 24 90
Bome Chemical Co. — acquired all outstanding stock of the Wright Co. and its subsidiary,					

Canadian Liquid Air Co. - erecting acetylene plant in Nanaimo	Sept. 5	31	Tex.	Oct. 24	27	Treco Construction Div.	Nov. 28	49
Canadian Oil Companies - plans joint crude oil processing, gas-treating and sulfur recovery facilities in several Canadian fields, in the Inisfail oil field, near Calgary, Alta.	Nov. 21	31	Chemagro - Dylux, a pesticide that kills few beneficial insects	Aug. 29	86	Coburn - Carbide's European affiliate	Oct. 31	25
Will budget \$8 million in Alberta next year	Dec. 26	25	Chemel, Inc. - steroid base	Aug. 1	49	COGIS (Compagnie Generale Intercombi) - formed by five of Italy's leading industries to promote exports to countries of the Soviet bloc	July 25	98
Canadian Superior Oil of Calif. - plans joint crude oil processing, gas-treating and sulfur recovery facilities, with several Canadian firms, in the Inisfail oil field, near Calgary, Alta.	Nov. 21	31	Chemtron Corp. - Canada Division will build a facility at Gibbstown, N.J. to recover carbon dioxide from ammonia	Oct. 24	30	Colgate-Palmolive Co. - arrangements to acquire Stern Corp. of New York	July 11	96
Capitol Products Corp. - Read Standard Div. - readying two new plate-and-frame filter presses	Oct. 31	79	Girdler Catalysts has developed a group of new catalysts for selective hydrogenation and reforming	Oct. 31	76	"Big Three" have won another round	Aug. 22	17
Capper Laboratories - dog dewormer	Oct. 31	66	Girdler Construction to build hydrogen plant for Tennessee Eastman	July 11	69	Genie has hit a legal bottleneck	Sept. 5	18
Carbic-Hochst Corp. - Intercontinental Chemical will build headquarters in Mountainside, N.J., for its affiliate	Oct. 3	31	Tube Turns Div. is offering preassembled flanges	July 25	106	Genie is back on dealers' shelves in 14 states	Nov. 7	83
Carborundum Co. - created a technical branch in its Coated Abrasives Division	Aug. 1	49	Chemical Construction Corp. - engineered and constructed ammonia and urea processes used at Cyanamid of Canada	Nov. 28	117	Has begun a major construction program for its Jeffersonville, Ind., plant	Nov. 21	31
Formed Harbison-Carborundum with Harbison-Walker Refractories	Nov. 7	18	To design Border's sulfuric acid plant	Nov. 7	26	Multimillion-dollar research center adjacent to Rutgers University, N.J., to be established	Oct. 3	98
Caray Salt Co. - AEC is negotiating for use of Winfield, La., mine, to check underground blasting techniques	July 18	60	Chemical Fund, Inc. - mutual fund specializing in chemical and drug stocks	July 25	84	Sales and earnings	Oct. 24	24
Carrier Corp. - building a 5-kw. generator for the U.S. Naval Engineering Experiment Station	Nov. 28	89	Chemical and Industrial Corp. - International Development & Investment Corp., joint venture of Chemical and Industrial Corp. and Phoenix-Rheinrohr, owns 50% interest in Ferbas	Dec. 19	26	Started manufacture of toiletries in the Dominican Republic	Sept. 19	42
Water desalting pilot plant to be moved to a coastal location	Dec. 19	51	Chemical Packaging Corp. - St. Regis Paper seeks SEC approval to issue new shares to acquire Chemical Packaging	July 4	17	U.S. court of appeals in S.F. suspended the injunction against sale of Genie in 14 Western states	Oct. 17	20
Carter Products Inc. - Little Liver Pills - review of advertising policies denied	Nov. 21	47	Chemische Fabrik von Heudon - developed phthalic route	July 11	40	Worked out merger agreement with Lakeview Laboratories	Dec. 5	26
Carvin Co. - proposed new isocyanate plant near Houston, Tex.	Dec. 19	19	Chemische Werke Huels - cyclododecatriene process license	Sept. 5-42	Oct. 3-50	Collier Carbon & Chemical Co. - ammonia pricing statement by Paul Foreman	Sept. 26	47
Stock offering	Nov. 14	41	Chemstrand Corp. - acrilan plant in Coleraine, Ireland, turned over to British nationals	Aug. 29	105	On plan to buy 300 acres in Contra Costa county near Rodeo, Calif., for expansion of carbon black and petrochemical facilities	Oct. 3	31
Carvin Polymer Products, Inc. - subsidiary of Carvin Co.	Nov. 14	41	Acrlan stopped short of actual apparel design	Oct. 31	47	Twofold expansion with immediate construction planned for sulfuric acid facilities and ammonia unit near Wilmington, Calif.	Nov. 7	18
Cary Chemicals, Inc. - for Resin Plastics, Inc. to acquire assets of Regency Plastics Co.	Nov. 14	43	Acrylic carpet staple price cut	Oct. 12	92	Colonial Alloys Co. - developed a method of anodizing aluminum and its alloys	Nov. 28	74
Planning to offer new securities to finance expansion and acquisitions	Aug. 15	26	Has ties with Societe Edison	Sept. 12	17	Colonial Development Corp. - U.K. government agency and Courtaulds Ltd. plan to build sulfonate pulp plant in Swaziland	July 11	27
Casco Chemical Corp. - filed a registration statement offering for sale 300,000 shares of common stock	Aug. 1	24	Chemstrand Ltd. - cut prices on acrylic fiber	Aug. 22	56	Colony Fuel & Iron Corp. - compensation upset	Nov. 7	58
Catalin - polypolyethylene molding and extrusion compounds are added to its line of plastic materials	Sept. 26	47	Chemtrol - dry pipe dope	Sept. 26	104	Colton Chemical Co. - adding dibutyl esters plant to its Elkton, Md., installation	Aug. 1	24
Cathodic Protection Service - metal-protection suit settled	July 4	68	Chesebrough-Ponds - unfair competition suit dismissed	Sept. 26	104	Columbia Gas System, Inc. - Columbia-Gulf Transmission Co., a subsidiary, will be the first user of J-57 jet engine-gas turbine system	Sept. 12	77
Celanese Corp. of America - acquires polyethylene bottle maker, assures market for its high-density resins	Dec. 12	42	Chicago Bridge & Iron Co. - commercializes titanium-clad vessels	Oct. 17	62	Subsidiary of Columbia Gas System will be first user of the new J-57 jet engine-gas turbine system at Clementsville, Ky.	Dec. 12	70
Air coolers at Pampa, Tex., plant	July 25	101	Expansion at Houston for fabricating large storage vessels	July 18	45	Columbia Hydrocarbon Corp. - hydrocarbon fractionation plant at Siloam, Ky.	July 4	23
Blanck, Harold, elected chairman, and George Schneider vice-chairman	July 4	18	Has set up an Argentine subsidiary to invest in the country's petrochemical and steel industries, build refineries and hydro-electric plants	July 11	69	Columbia-National Corp. - alleged pollution at Pensacola's Escambia Bay	Sept. 26-20	Oct. 3-23
Celanese Fibers Co., Celanese Chemical Co., and Celanese Plastics Co. will function as operating divisions	July 25	84	Weir-Chicago Bridge, jointly owned with Weir Ltd., is a new name in saline-water conversion	July 11	69	Made a wholly owned subsidiary of Columbia-Southern	Oct. 17	36
Completed a new design of its acetic acid plant at Pampa, Tex.	Aug. 29	113	China Artificial Fiber Corp. - EFEM GmbH, German affiliate of Von Kohn International, will set up polyester yarn and fiber plant in Formosa for China	July 18	66	Columbia Paper Co. - acquired by Crown	Nov. 14	43
Dreyfus, Camille Laboratory will be named after the founder and first president	Nov. 14	76	Artificial Fiber	July 25	35	Zellerbach (Canada) Ltd.	Dec. 12	44
Estimated plant capacity of acrylic acid and esters	Aug. 1	60	Chipewick Plastics Co. - div. of The Rexall Drug and Chemical Co. has purchased Package Containers, Inc.	Dec. 5	26	Columbia-Southern Chemical Corp. - chloride-discharging plant has a lagoon for temporary waste storage	Sept. 19	42
Estimates plastics consumption for manufacture of products in the U.S.	Sept. 26	42	Chloride Electrical - formed a new firm with Joseph Lucas to build automotive battery plant in Malaysia	Sept. 5	31	Susquehanna-Western and C-S. are reported negotiating with AEC for construction of uranium mill near Alice, Tex.	Oct. 17	36
2-ethylhexyl acrylate from expanded plant at Pampa, Tex.	Sept. 26	90	Christiana Securities Corp. - Du Pont can keep its GM stock, but must give up voting rights	Oct. 10	33	Wholly owned subsidiary of Pittsburgh Plate Glass makes Columbia-National a wholly owned subsidiary	Oct. 17	36
Leased eight floors of the new Morgan Guaranty Trust Co. building	Nov. 21	31	Chromalloy Corp. - research on explosive forming of refractory metals	Aug. 8	75	Columbian Carbon Co. - latest U.S. producer to launch a carbon black manufacturing project in the European "Common market" area, near Milan, Italy	July 18	28
Phillips is supplying ethylene to Pasadena plant	July 4	23	Chrysler Corp. - automobile finishes	Oct. 3	84	Columbian Carbon Europa - will operate Columbian Carbon's carbon black plant near Milan, Italy	July 18	28
Plunging deeper into rocket fuels, purchased preproduction plant at Asheville, N.C., set up new company, Ancei Propulsion, to operate the plant	July 11	17	Cycleweld Chemical Products Div. is marketing a new adhesive called Liquid Iron	July 11	98	Combustion Engineering, Inc. - moved to Windsor, Conn.	Oct. 31	41
Reluctant to use the adol route for acrolein production	Nov. 28	78	Ciba, Geigy, Sandoz and Toms River ended last week	July 18	34	Commerce Drug Co., Inc. - claims that Bryant Pharmaceutical is infringing its Ore-Jel trademark	Dec. 26	42
Trimethylol propane ester lubricant for jet engines	July 11	69	Set up a 50-50 owned subsidiary with Lepetit to produce antibiotics and fermentation products at Torre Annunziata, near Naples	Nov. 14	43	Commercial Solvents - formaldehyde plant in Agnew, Calif.	Oct. 31	69
Celanese Plastics Company expanding capacity for making Fortiflex high-density resin at its Houston, Tex., plant	Dec. 26	25	Three Swiss pharmaceutical makers are setting up shop in Egypt, have formed Societe Swiss-Pharma	Aug. 8	25	Methylamines output is being stepped up at Terra Haute, Ind., plant	Oct. 17	96
Celgar, Ltd. - awarded contracts for kraft pulp mill at Castlegar, B.C., to Glin Construction Co., Henry J. Kaiser Co.	Oct. 31	25	Uvitex ERN, whitener effective with Dacron, may be "secret" ingredient of All	Dec. 19	72	Sales and earnings - more than doubled net earnings on a sales gain of only 11%	Nov. 7	25
Signed a sales agreement with Consolidated Mining and Smelting	Aug. 8	25	Ciba Products Corp. - will build epichlorohydrin plant at Toms River, N.J., to supply raw material for production of epoxy resins	July 18	18	Commonwealth Edison Co. - formed an industrial reprocessing group (IRG) with five companies	Dec. 26	49
Celion Ltd. - paint company acquired by Courtauld	Dec. 19	20	Ciba Pharmaceutical - Guarnethidine, new drug for lowering blood pressure	Nov. 7	28	GE is developing nuclear plant	Oct. 24	72
Celulosa y Derivados, S.A. (Cydsa) - will build nylon yarn plant with AKU at Monterrey	Aug. 22	25	Ismein, hypertension drug	Oct. 17	78	Commonwealth Engineering Co. of Ohio - Toulin, Harry, Jr., points out limits of patents as productivity index	July 25	110
Center-O-Coast an Engineering Co. - east-aluminum muffler	Oct. 31	70	The Clarage Fan Co. - ready-to-run belt-driven fans	Dec. 5	54	Compagnie Generale Intercombi see COGIS	Aug. 22	42
Central Farmers Fertilizer Cooperative - contract to distribute National Potash's productive capacity	July 11	87	Clark Bros. Co. - compressor	Aug. 15	54	Compagnie de Saint-Gobain - parent company of American-Saint Gobain will buy new debentures and stock	Aug. 15	27
Central Public Utility Corp. - may merge with Consolidated Electronics Industries	Oct. 10	37	Turbocompressors	Sept. 3	69	Compagnie Francaise des Matieres Colorantes - Francolor, Inc., a division, offers dye-stuff for polyester fiber	Oct. 17	78
Central Soya Co. - Chemurg Division developed and produced a new gasoline additive called Centrol S-43-K	Nov. 21	172	Cleaver Brooks Special Products - deaerator	Aug. 8	36	Compagnie Industrielle de Textiles Artificiels et Synthetiques - co-developer of Zantrel, a "polymeric fiber"	Aug. 22	42
Stepping up fermentation research	Nov. 7	69	King-size evaporator for water-conversion plant in California	Oct. 3	50	Companhia Electroquimica de Casaco	Nov. 7	26
Century Chemical - effected a quick-sell financing operation	July 11	27	Water desalting license to Marshall & Sons	Sept. 5	42	hydrogen peroxide plant onstream at Cotta, near Sao Paulo	Nov. 7	26
Cerium Metals Corp. - Ronson has purchased the assets	Sept. 26	26	Cleco National Inc. - Vend-A-Motion div. has a console unit that controls all washers and gives tape-recorded operating instructions	July 25	89	Computer Systems, Inc. - demonstrated an analog computer designed to handle complex chemical processing problems	Dec. 12	76
Charlotte Chemical Laboratories - firemen's suit	Oct. 3	92	Cleveland Electric Illuminating - boosting its generating capacity	Nov. 28	45	Conkney, J.G. de & Pils - Belgian producer will produce Pittsburgh Plate Glass paints and automotive finishes in the Benelux countries	July 25	35
Chatham, Carroll - San Francisco producer of man-made emeralds and rubies (table)	Aug. 15	70	Clima, A.H., Co. - Touzey Vanish purchased all outstanding stock	Dec. 19	26	Conley, Jay F., Co. - trademark infringement decision	Sept. 5	18
Chatham Chemical Co. - speculation that Chatham has been considering putting up an ethylene glycol plant in Beaumont,			The Clute Corp. - acquires Asbestos Bonding Corp.	Dec. 5	26			
			Coastal Chemical Corp. - will use the net proceeds from its proposed common stock sale for expansion of facilities	Dec. 26	24			
			Coastal Oil Products Co. - coke and gas recovery plant is being built by Vibro's					

Injunction against sale of Colgate's gentle in 14 Western states	Oct. 17	20	Crossett Co. - plans to build a flakeboard plant	Dec. 12	45	oil process starts round-the-clock operation	July	4	43
Conlon Associates - consultants specializing in Asia cites a number of chemical plants desired by Malaysia in a recent survey	Dec. 19	24	Crossett Lumber Co. - will be adjacent to Crossett Co.'s proposed flakeboard plant	Dec. 12	45	DeSoto Chemical Coatings, Inc. - Steen Varnish Division has given site and buildings to Illinois Institute of Technology	Nov. 21	159	
Consolidated Beryllium Ltd. - formed by Beryllium Corp. and Imperial Smelting.	July 18	27	Crossley Machine Co. - new pump design	July 4	41	Detroit Edison Co. - formed an industrial reprocessing group (IRG) with five companies	Dec. 26	49	
New company plans to build the largest beryllium plant in the world	July 11	18	Crown Zellerbach Corp. - established a new subsidiary, Crown Zellerbach Corp., International	Aug. 1	23	Deutsche Dow-Chemie GmbH - subsidiary of Dow's Swiss holding firm will offer industrial cleaning services	Nov. 28	49	
Consolidated Edison Co. - formed an industrial reprocessing group (IRG) with five companies	Dec. 26	49	St. Francisville paper mill is in full pro- duction - Initial output is consigned to Time, Inc.	Dec. 5	82	DeVilbiss Co. - spray gun for application of polyurethane foams	Sept. 19	52	
Consolidated Electrodynamics Corp. - Rochester Division's vacuum-coating equipment research	Aug. 22	63	Studying feasibility of building a newsprint mill near Denver	July 11	27	Devoe & Reynolds - voted a year-and-a-half dividend on common stock	Nov. 14	12	
Consolidated Electronics Industries Corp. - plan to consolidate the corporation with Philips Industries and Central Public Utility Corp. - Consolidated would merge Philips Electronics, Anchor Serum, The Islands Gas and Electric Co. and Philips Roxane into a proposed subsidiary	Oct. 10	37	Testing method of floating wood chips downriver in huge plastic balls	Dec. 26	60	Dewey Portland Cement - American-Marietta will acquire Dewey through an exchange of stock	Sept. 5	31	
Consolidated Mining and Smelting Co. - breaking ground for construction of an alkali-chlorine plant at Trail, B.C.	Dec. 26	25	Transferred its headquarters from Sansome St. to One Bush St., San Francisco	Dec. 12	45	Diamond Alkali - chlorine price-fixing suit settled	Sept. 19	19	
Purchased Hardware Specialties Ltd.	July 25	35	Will step up manufacture of chemicals from its pulp operations at Bogalusa, La.	Oct. 10	17	DDT contract with GSA	Dec. 5	82	
Consolidated Mining & Smelting Co. of Canada - urea plant - slated to go up in Calgary	Oct. 17	36	Crown Zellerbach (Canada) Ltd. - acquired Columbia Paper Co.	Nov. 14	43	Modernization of chlorine facilities at Painesville, O.	Nov. 7	80	
Consolidated Portland Cement, Inc. - acquired Vita-Safe Corp.	Aug. 22	25	Crucible Steel Co. of America - purchased America's first D-H-H steel-degassing unit	Dec. 12	76	Operating rate of chlorine-caustic facility at Houston, Tex., will exceed 50% of capacity	July 11	83	
Consolidated Zinc - Imperial Smelting, a subsidiary, formed Consolidated Beryllium with Beryllium Corp.	July 18-27	July 11-18	Supplies platinized-titanium anodes	Dec. 12	67	Sales and earnings	July 25	19	
Consolidation Coal - no intention to let CFC gain control of NP	July 11	87	Cultured Gem Stones - subsidiary of the Ipekjian Co. markets synthetic gem stones	Aug. 15	70	Texas management is active in arousing industry interest in politics	Dec. 26	22	
Confidential Can Co. developed a com- pacted box with pouring spout	Dec. 5	48	Curtis, Helene, Products, Inc. - bought 42 Products, Ltd.	Nov. 14	83	Toshiba in Wyoming	Aug. 29	40	
Makes container for liquid AII	Dec. 19	72	Negligence suit dismissed	Nov. 18	86	Dings Magnetic Separator Co. - offers magnetic separator	Sept. 12	64	
Polyethylene nozzle	Oct. 31	66	Shampoo in a bag	July 11	98	Distillers Co. Ltd. - Investigating ways to make cephalosporin C commercially	Dec. 26	50	
Welded rail	Dec. 19	72	Curtiss-Wright Corp. - pilot plant for making road-binder material from bituminous coal	July 4	44	Dixie Chemical - chlorine price-fixing suit settled	Sept. 19	19	
Continental Carbon - will be joint owner of carbon black plant in Pakistan	Nov. 28	46	Research Division - named as subcon- tractor for reactor design	Nov. 14	122	Dixon Chemical Industries Inc. - I.P. Thomas Div. bought by Baugh and Sons	July 11	96	
Continental Carbon Black - will increase capacity at Lake Charles, La.	July 11	27	Cutter Laboratories - filed damage suit against ILWU longshoremen	Dec. 19	46	Sulfuric acid plant at Paulsboro, N.J. expected to be in operation within six months	Sept. 12-40	Nov. 28-99	
The Continental-Diamond Fibre Corp. centralized its research in Newark, Del.	Nov. 7	64	Struck by ILWU over a wage dispute	Oct. 10	80	Dixon Chemical & Research - aluminum sulfate plant in Newark, N.J. expected to be completed within six months	Dec. 5	86	
Continental Oil - will construct petrochemical plant at Lake Charles, La. - Conoco has a Ziegler license	Aug. 29	18	Cyanamid Italia S.p.A. - American Cyanamid's Italian subsidiary expected to go into operation Oct. 1	Aug. 1	23	Offers \$1 million worth of preferred stock to build heavy chemical strength	Sept. 12	40	
Continental Ore Co. - lost anti-trust suit against Carbide and VCA	Dec. 26	23	Subsidiary of American Cyanamid will broaden activities in foreign markets	Nov. 28	48	Dobbeckum Britain Ltd. - changed its name to Dow Chemical Co. (U.K.)	Nov. 28	49	
Controls for Radiation, Inc. - pocket-size fallout detector	Aug. 8	78	Cyanamid of Canada Ltd. - expansion and modernization program at Welland, Ont., nitric acid plant	Aug. 22	25	Dome Chemicals - purchased by Miles Laboratories	Oct. 17	36	
Conval - Dynapak explosive-forming process Launched Dynapak, a metal-forming machine tool	Aug. 8	76	Nitrogen output	July 18	27	Dominion Foundries and Steel Co. - supplies raw materials to urea plant, receives fuel gas	Nov. 28	117	
Cooper-Bessemer - connected a modified jet engine to a power turbine at Columbia-Gulf Transmission	Dec. 12	70	Takes raw materials from steel mill by- products, returns upgraded fuel to mill	Nov. 28	117	Dominion Magnesium Ltd. - will supply Magnac with part of its magnesium needs	Sept. 5	17	
Cost figures for jet engine-gas turbine system	Sept. 19	88	Cyanamid of Great Britain Ltd. - will start marketing Cyanamid's Creslan acrylic	Dec. 19	20	Dominion Rubber Co. - General Products Division formed by consolidating the Textile Division and General Products operation	Dec. 12	45	
Gas turbine project with Pratt & Whitney Jet-powered gas turbine system	Sept. 12-55	77	Cypus Mines Corp. - Albatross Superphos- phate is building a major sulfuric acid plant with Cypus Mines in the Netherlands	July 11	27	Donner Hanna - new water supply contract with Buffalo City	Sept. 26	20	
Copolymer Rubber & Chemical - will spend \$3 million on its Carbonyl rubber	Oct. 31	18	Dagleish, John, & Co. - will make a syn- thetic rubber unit for Russia's Technashimport	Dec. 26	25	Dorr-Oliver - centrifuge maker finds that contact-type seals assure reliability	Dec. 12	74	
Copper Britle, Inc. - acquired Vapor Britle Com Products - OCAW ordered a strike vote at four plants	Sept. 12	113	Dakota Salt and Chemical Co. - subsidiary of General Carbon & Chemical is ready to start salt plant east of Willam, N.D.	July 4	23	Dow Chemical - active in commercial chemical development	Aug. 22	35	
Corrosion Rectifying Co. - metal-protection suit settled	July 4	68	Dansk Veedol - Tidewater Oil is forming Danish subsidiary to build refinery at Kalundborg	Sept. 19	20	Owens DataGraphic Systems jointly with GAF	Sept. 5	31	
Cortez Chemicals - Arizona Fertilizer to advance \$200,000 to its subsidiary for expansion	Oct. 17	35	Darco-Mineraloelversorgungs GmbH - plans for transalpine pipelines to Bavaria	Aug. 29	44	Dow Badische - acrylate plant at Freeport, Tex., is scheduled for startup next year	Sept. 26	90	
Subsidiary of Arizona Fertilizer & Chemical Cosden Petroleum - doubling of liquid polymer polybutene capacity at Big Spring, Tex.	Oct. 3	31	Darin & Armstrong - general contractor for construction of Parke, Davis' plant at Holland, Mich.	July 18	28	Will make acrylic acid and ester at acrylonitrile plant near Freeport, Tex.	July 11	17	
Courtaulds, Ltd. - acrylic fiber price cut	Aug. 1	52	DataGraphic Systems - company, jointly owned by Douglas Aircraft and GAF, is boosting capitalization; has elected new president and directors; will market Ozolid Microline products and Ansco's silver halide microfilm	Sept. 5	31	Dow Chemical - Aljinnomo has licensed Dow for production and sales of a synthetic alpha amino acid	Aug. 1	24	
British Celanese, a subsidiary, will double capacity of its Coventry plant for polyethylene yarn	Dec. 12	92	Day, J.H., Co. - mixer for extra-viscous solutions	Dec. 5	54	Aniline route: ammonolysis of chloro- benzene	Sept. 26	68	
Cut prices on acrylic fiber	Dec. 19	20	Dayton Rubber - will provide technical collaboration and capital for a new Indian tire plant	Oct. 24	30	Automatic ordering slashes selling costs Breaking ground at Ludington, Mich. for one of the world's largest capacity lime kilns	Oct. 31	25	
Plans to build sulfate pulp plant in Swaziland, in partnership with the Colonial Development Corp.	July 11	27	Will provide technical help for projected tire plant in Malaysia	Aug. 29-44	Dec. 19-24	Building a phenol plant in the Pacific Northwest	Nov. 28-41	Dec. 5-26	
Revealed plans for new operations in the U.S.	Dec. 5	17	De Beers Consolidated Mines, Ltd. - man- made diamonds Aug. 15-70, Nov. 28-89	Aug. 22	56	Completed construction of its Bay City, Mich., ethylene-polyethylene complex	July 18	78	
Royalty arrangement with Glidden Inter- national - acquired Celloid Ltd., a paint company	Dec. 19	20	De Blinck Tekniska Fabrik AB Blifa - business as usual in plant run by blind Dee's Products and Engineering - faster epoxy stripper	Nov. 7	53	Continuing its rapid expansion in Europe Developing a latex that can be used without caustic	Dec. 26	49	
Two newly formed companies: Courtaulds North America, Inc. and Courtaulds North America Ltd. will open broad vistas for Courtaulds Ltd.'s American and Canadian operations	Nov. 7	24	Degussa - acrolein polymers produced in new process	Sept. 5	58	Dividend declared	Nov. 14	42	
Courtaulds North America, Inc. - jointly formed by Courtaulds, Ltd. and its American and Canadian companies	Nov. 7	24	Three European firms will study feasibility of producing nuclear fuel in Austria	Oct. 17	74	Dow Metal Products Co., new division takes the place of the Magnesium Products Dept.	Aug. 29	42	
Courtaulds North America Ltd. - jointly formed by Courtaulds, Ltd. and its American and Canadian companies	Nov. 7	24	De Laval Separator Co. - lists conditions under which centrifuges are competitive with tanks, decanters and filters	Aug. 15	62	Dowell Division uses planes for routine sales and service calls	Sept. 19	128	
Crescent Carbon Corp. - acquires the oil and natural gas holdings of Great Lakes Carbon; will become part of Great Lakes Electrode Division	Nov. 14	43	Delaware Barrel and Drum Co. - came out with a new overpack for its polyethylene drums	Dec. 12	73	Dye reactor in Zefran acrylic fiber Enlarging its European interests through its Swiss holding company; purchased Thorium Ltd.	Nov. 14	43	
Crescent Dental Manufacturing Co. - electric mortar and pestle	Nov. 7	66	Delhi-Taylor Oil Corp. - considering a pro- posal for a joint potash venture with Amour in southeast Utah	Nov. 28	94	Experimenting with wild oat controllers	Nov. 21	176	
Crescent Petroleum - Crescent Carbon, a subsidiary, acquires the oil and natural gas holdings of Great Lakes Carbon	Nov. 14	43	Potash mine in Utah	July 11	88	Goggin, W.C. estimated the future market for flexible bama	Nov. 21	176	
Crest Chemical Corp. - cationic softener	Sept. 12	112	Delka Research Corp. - shingle restorer	Nov. 14	86	ICWU approves contract for Pittsburgh Seal Beach and Torrance, Calif.	Aug. 1	67	
Cross Co. - acquired Stephen F. Malaker Associates and established the Cross- Malaker Laboratories Inc.	July 18	74	Delmar Pharmaceutical Corp. - cleared of fraud- lent advertising of weight-reducing capsule	Sept. 26	104	Jet lubricant contract with AF	July 11	67	
Cross, Austin & Ireland Lumber Co. - non- combustible wood framework for commercial building	Oct. 17	59	The Delsen Corp. - proportioning accessories	Nov. 7	48	Joins with Pechiney to build polystyrene and saran plant in France	Sept. 26	25	
Cross-Malaker Laboratories Inc. - established by Cross Co.	July 18	74	Dendrol, Inc. - hydroxymethyl-huralal-from waste-wood patent	July 11	70	La. De C.V., a subsidiary will build a fluorapatite plant in Mexico	Aug. 15	27	
			Denver Research Institute - Aspeco shale			Magnesium capacity	Sept. 12	99	
						New outlet for its magnesium, and new aluminum source to feed Dow Metal Products	Sept. 5	17	
						Offering an improved anhydrous caustic in a new type of container	Dec. 12	92	
						Opened sales office in Johannesburg			



Union of South Africa	July	25	35	Enamel-aluminum finish developed by Reynolds and Du Pont	Sept.	19	56	executive office on Mt. Read Blvd., Rochester, N.Y.	Aug.	1	24
Plans agricultural research center in Midland, Mich.	July	11	66	Explosion and flash fire at Sabine River Works	Aug.	8	23	Dynamic Metals Corp. - foamed aluminum	Aug.	22	42
Plans to convert old factory building in Findlay, O., for production of polyethylene film - Dobeckman Div. will share production planning and engineering	July	4	25	FTC acts cooperation in writing trade-practice rules for fluorocarbon industry	Nov.	21	23	Dynamics Reading Chemicals - coal-chemicals project at Pottsville, Pa., bids for engineering work	Sept.	26	80
Polypropylene capacity for 1961 about 40 million lbs.	Dec.	19	19	Fiber Industries has purchased a license to produce polyester fiber, Teron	July	25	20	\$100-million joint venture in chemicals from coal - letter	July	25	14
Polypropylene plant at Torrance, Calif., will receive propylene from Richmond, Va., scheduled for operation early in '60	Nov.	28	41	First major polyethylene packaging film plant, at Spruce Works near Richmond, Va., scheduled for operation early in '60	Aug.	22	25	Dyna-Therm Chemical Corp. - acquired Plas-Kem Chemical Corp.	Aug.	8	17
Program to launch its Zefra acrylic fiber in cotton blends	Aug.	15	23	Freon C-138 - approval may trigger new developments in the food field	Dec.	26	69	Net proceeds of stock offering will help to pay for purchase of Plas-Kem Corp.	Nov.	14	41
Proposed polypropylene plant at Torrance, Calif., slated to go onstream in '61	Sept.	19	38	Freon Division's Ralph Crane predicts production and sales of nonfood aerosols at CSMA meeting	Dec.	19	70	EFEM GmbH - German affiliate of Von Kohn International will set up polyester yarn and fiber plant in Fomosa for the China Artificial Fiber Corp.	July	25	35
Propylene facility to be built at a still-undecided West Coast site	Sept.	12	39	Freon finds role in missile-homing devices	Sept.	19	106	Eastman Chemical Products - n-butyltrinitrate, a solvent and intermediate, is available in commercial quantities	Dec.	26	75
Purchased the capital stock of Sequola Metalcraft Co.	Nov.	28	49	Freon fire extinguisher is approved by the U.S. Army Corps	Sept.	26	47	1,4-Cyclohexanedimethanol	Sept.	19	124
Saginaw Bay Division petrochemical complex at Bay City, Mich. is ready to start linear polyethylene production	Nov.	14	19	GM-Du Pont antitrust case decision calls for total split of management	Nov.	28	42	Subsidiary of Eastman Kodak Co. is offering cyclobutane derivatives	Oct.	17	68
Sales and earnings	Aug. 22-17	Oct. 24-23		Industrial and Biochemicals Dept. is producing a new polar solvent, dimethyl acetamide	Oct.	24	90	Subsidiary of Eastman Kodak Co. is posting price increase of dispersed dyes	Dec.	19	38
Sales prediction	Sept.	19	19	Justice Dept. has a chance of upsetting La Bay's ruling	Oct.	17	33	Eastman Kodak - can not supply GAF with photographic paper	Dec.	26	17
Sells bromine for swimming pool sanitation	Dec.	12	90	La Bay's decision: Du Pont can keep its GM stock, but must give up voting rights	Nov.	21	176	Eastman Chemical Products, a subsidiary is posting price increase of dispersed dyes	Dec.	19	38
Setting up its new Saginaw Bay Division to group its Bay Refining Co. with two plants now coming onstream	Oct.	31	17	Lanning, D.D., predicted that the industrial market for films will double around '65	July	18	33	High-pressure lab fitted with closed-circuit TV	July	11	66
Speaking up about tax inequities	Sept.	12	96	Legislation to aid stockholders in the GM antitrust case faces a new roadblock	Oct.	10	66	Missile window	Aug.	22	67
Support to dual rates for ocean shipping	Aug.	1	18	Licensed a silicon route from International Telephone & Telegraph for pilot studies at Brevard, N.C. Aug. 15, 58, Oct. 3-72	Nov.	7-69	Nov. 14-73	Polycarbonate patent holder has no production plans at present	Sept.	12	78
Synthetic glycerine capacity	Aug.	15	76	Lycra urethane fiber will be manufactured at Waynesboro, Va.	Aug.	1	52	Eaton Chemical and Dyesulf Co. - Oster, Howard, comments on distributor selling	Nov.	7	90
Texas Div. donated land at Freeport for government's first water desalting plant	July	25	79	Makes TPA mainly for its own Dacron requirements	Dec.	12	21	Eaton Laboratories - division of the Norwalk Pharmacal Co. developed new drug, Altair	Oct.	3	98
Texas Division feels weight of heavier taxes	Dec.	26	21	May buy ethylene from SunOil	Nov.	28	100	Eco Engineering Co. - gear pump	Oct.	24	78
Texas Division is expanding ammonia production facilities in Freeport	Nov.	7	79	May buy sulfuric acid from Dixon	Oct.	17	35	Ehrhart & Associates - awarded contract to expand Shell's styrene facilities at Torrance, Calif.	Dec.	12	22
Texas Div.'s joint venture company Dow Badische will make acrylic acid at plant near Freeport, Tex.	July	11	17	Memphis acrylonitrile plant to get acetylene from UCC - calcium carbide will be rail-shipped from Sheffield, Ala.	Aug.	8	64	Electro Reduction Co. of Canada - Sherbrooke Metallurgical will supply sulfuric under a long-term agreement	July	11	27
Texas Division - managerial tightening-up is under way	Oct.	24	24	Metallurgical development center at Baldwin scheduled for completion in 1960	Dec.	12	85	Electro Chemical Laboratories - request to dump radioactive wastes in underground vaults in Oklahoma and Kansas will be heard by AEC	Sept.	12	44
Texas Div. will expand styrene-butadiene latex capacity; Dow will build a new styrene-butadiene latex plant at Allyn's Point, Conn.	Oct.	31	24	Mylar film: heading for markets shuffle	Oct.	3	56	Electro Refractories & Abrasives Corp. - planning a three-year expansion program at Lackawanna, N.Y.	Dec.	26	25
Textile coating latex	July	25	92	Operator of AEC's Savannah River plant reports heavy-water bypass at AICHE meeting	Oct.	31	47	Electrochem A/S - will design and construct Quesco's Strategic-Udy plant with Koppers and Strategic Udy	Dec.	26	36
Zefran fiber may use new polymeric dye acceptors	Nov.	28	82	Orlon stopped short of actual apparel design PVA capacity is in operation	Oct.	31	53	Electronic Production and Development, Inc. - Chemical Div. is marketing epoxy kit	July	25	94
Dow Chemical Co. (U.K.) - new name of Dobeckman Britain Ltd.	Nov.	28	49	Partner to Sintec for production of Telvar and Karmex weed killers	Oct.	17	19	Elliot Co. - new line of centrifugal compressors	Sept.	26	96
Dow Chemical of Canada - acquired Bradshaw's Ltd., plastics, paper, and foil packaging maker	Dec.	19	26	Pigment-Chemie GmbH, new subsidiary, jointly owned by Du Pont and Sachtleben AG, will produce titanium pigments	Dec.	26	25	Emery Industries - project to increase capacity for azelaic and pelargonic acids from oleic acid; increase of esterification from Plastolein plasticizers and Emolion diesters	Aug.	29	44
Possible construction of phenol plant in the Vancouver, B.C., area	Aug.	8	18	Plans to build plant to produce polyethylene	Aug.	29	127	Endura Corp. - purchased by W.R. Grace	Sept.	26	26
Dow Chemie - Swiss holding company emerges Dow's European interests	Nov.	14	43	Pro-lax trademark suit	Aug.	15	20	Engelhard Industries, Inc. - agreement with Atlantic Refining for the licensing of Catforming process	Aug.	15	64
Dow Corning Corp. - established a Center for Aid to Medical Research	Sept.	5	94	Published a new booklet, "The Story of Competition in the American Market"	Oct.	17	108	Agreement with ICI about production and sales of electrodes	July	25	79
Licensed Siemens-Westinghouse process for making silicon Aug. 15-58, Oct. 3-72	Oct.	30	66	Research on Dacron polyester fiber cord has paid off	Dec.	12	29	Sections for missile and aircraft	Sept.	5	72
Silicone fluid emulsions prices are shaved	Sept.	19	124	Revealed plans for ammonia-propylene-process acrylonitrile plant at Beaumont, Tex.	Aug.	15	57	Supplies platinumized-titanium anodes	Dec.	12	67
Silicone rubbers	July	25	112	Russian trade mission visits Wilmington, Del.	Oct.	24	26	ENI - ANIC is forming a company, with Phillips Petroleum, to build and operate a carbon black plant	Nov.	21	31
Single package silicone sealant	Oct.	17	74	Sales and earnings July 25-19, Oct. 24-23 Correction	July	11	17	Matter, Enrico, unveils details of Mediterranean-to-Germany pipeline system	Sept.	19	20
Dow Metal Products - Dow Chemical will swap magnesium for aluminum with Alcan	Sept.	5	17	Salesman Robert Thomson takes to personal flying to reach more customers	Oct.	31	22	To build petrochemical complex at Gela, Sicily	Oct.	3	31
Fruehauf, Herbert will be president of Sequola Metalcraft	Nov.	28	49	Sayer, John, proposes information upgrading at AICHE meeting	Nov.	7	17	Enkay Chemical Co. - dye products	Oct.	10	48
Madison, Ill., plant will produce a zinc-copper-titanium alloy sheet metal developed by Hydrometals, Inc.	Aug.	29	42	Stepped up resistance of Vilon synthetic rubber	Sept.	26	72	ENSA - selected by the Iranian government as general contractor for the Shiraz nitric acid and ammonium nitrate plant	Dec.	12	45
Dr. LeGair, Inc. - controlling interest acquired by S.B. Penick	Nov.	14	43	Tax relief hassle	Nov.	7	64	Enthone, Inc. - acid inhibitor	Oct.	10	50
Bresser Industries - Messer Mfg. Div. offers new line of fittings	July	25	106	Teflon fluorocarbon resins will be offered as thermoplastic film; sparkling nylon will appear in retail hosiery	Sept.	26	80	Epoxy enamel stripper	Aug.	8	48
Drug Distributors - testimony about bidding practices given at FTC tetracycline hearing	Nov.	21	30	Teflon TFE resin prices cut	Sept.	26	47	Epoxy stripper	Nov.	21	192
Duche Uni-Gum Corp. - new gum processing plant in Clifton, N.J.	Aug.	29	95	Tetrahydrofuran-based fiber and film claimed in new patent	July	25	101	Equitable Leasing Corp. - offers lend-lease plan for financing capital expansion	Sept.	19	94
Ducilo SAC - Argentine fluorocarbon maker - letter	Oct.	17	29	Textile Fibers Division's Andrew Buchanan says the synthetic fibers capacity will approach 600 million lbs./year in the early '60s	Dec.	5	88	Equitable Paper Bag - makes PE bags used by the New York Times	Dec.	12	109
Dunlop Rubber - will own 45% of International Synthetic Rubber's new plant at Hythe, Southampton	Sept.	26	26	Titanium dioxide patent	Sept.	26	19	Escambia Chemical Corp. - alleged pollution of Pensacola's Escambia Bay	Sept.	26	20
Dunlop Tire & Rubber Co. - considering production of a new type of tire	Nov.	14	20	Trying to fit air coolers into its heat-exchange picture at several plants	Oct.	10	48	Little likelihood of a shutdown order at Pace, Fla.	Oct.	3	23
Wage increase at Tonawanda, N.Y., plant	Oct.	17	110	Viton synthetic rubber price is slashed	July	25	101	Eso Export Corp. - Standard Oil (N.J.) marketing arm, has set up a chemicals department to handle foreign affiliates	Oct.	10	37
Wage increase at Tonawanda, N.Y., plant	Oct.	17	110	Wax for nonwax finishes	Sept.	26	47	Eso Research and Engineering Co. - dedicated scientific center at Florham Park, N.Y.	Nov.	7	64
Analyzing equipment failures statistically	Sept.	19	51	Will consolidate sales of agricultural and industrial products	July	25	92	Free-pliston lube	Sept.	12	113
Aniline route: iron reduction of nitrobenzene	Oct.	10	88	Will expand methyl methacrylate monomer capacity at Belle, W. Va., plant	Sept.	26	47	Hydrotol, new water detection method	Sept.	5	42
Anticipates strike-produced delays in equipment deliveries at Richmond, Va.	Sept.	26	68	Will supply ammonia to Chemetron's Gibbstown, N.J., carbon dioxide plant	Oct.	24	30	Patent describes curing of polyolefin	Aug.	8	48
Bearings made of Teflon TFE-fluorocarbon fiber	July	18	77	Yerkes Research Laboratory has completed renovation	Nov.	21	160	Predicts that computers are slated for a big payoff in engineering design	Dec.	12	82
Brims tone finds	Aug.	22	67	Du Pont de Nemours, S.A. - newly established joint company will sell 70% of its urea herbicides in France, 30% to Du Pont International for distribution within "Common Market"	Oct.	17	19	Eso Standard - AF has contracted for 100,000 gal. naphthenes	Aug.	15	57
Building a new plant to produce methylamines at Belle, W. Va.	Oct.	31	25	Du Pont International - Du Pont de Nemours, S.A., will sell 30% of its urea herbicides for distribution within "Common Market"	Oct.	17	19	Bayway Refinery celebrates 50th anniversary	Sept.	26	96
Building a sulfuric acid plant at La Porte, Tex.	Dec.	26	18	Du Pont of Canada, Ltd. - expanding its nylon chemicals facilities at Maitland, Ont.	Nov.	14	43	Employees at Baton Rouge, La. will vote on whether to retain independent Industrial Workers Assn. as bargaining agent or switch to some other union	Nov.	14	96
Chambers Works - instrument team runs up efficiency score	Dec.	26	38	Sales and earnings	Aug.	8	18	Gasoline storage tank exploded at			
Chemical reaction that directly forms filaments, films, tubes revealed in new patent	Aug.	8	71	Soginemes will sell anhydrous ammonia and hydrogen by pipeline to nearby Maitland Works	July	18	27				
Chemical Row buffered	Nov.	7	57	Durant Manufacturing Co. - drop counter	Sept.	12	48				
Common-share dividends will be \$7, versus \$6 last year	Dec.	5	24	Du-Rite Sales Co. - dry bleach	Aug.	15	84				
Court rules in favor of Du Pont in South Carolina sales tax suit	Dec.	12	102	Dynacolor Corp. - constructing plant and							
Defrin formaldehyde resin moving into commercial production	Sept.	12	103								
Depreciation-expansion problems - Thomas Crawley Davis warns chemical industry	July	25	31								
Dynapak unit for forming columbium	Aug.	8	76								
Electrochemicals Dept. has developed a "dry" phosphatizing process	Nov.	21	192								

Charleston, S.C. ....	Oct. 10	18	services to the chemical industry .....	Oct. 10	87	at Sunray, Texas., to be completed		
Has laid a number of cationic test strips	Dec. 12	82	Federal Telephone and Radio Corp. - FE			next spring .....	Aug. 1	24
Pilot plant is putting out propylene for			formed an equipment correction group			Contract for multistage flash distillation		
the Humble-Enjay-Spencer venture .....	Sept. 12	39	as a service for FTIC, now ITT .....	Oct. 10	90	unit scheduled for construction on the	Oct. 3	50
Tire, trademarked Atlas Buroy, is produced			Laboratories .....			California coast .....		
by U.S. Rubber and Firestone, Atlas Supply Co. will handle the			Federale Wybroumatskapy Bank - plans			Has been awarded contract for construction		
distribution .....	July 4	31	to build a soda ash plant near Sasolburg,			of a hydrotreater unit in Shell Oil Co.'s		
Wax expert concludes that plastic-coated			South Africa .....	Nov. 28	49	Deer Park, Tex., refinery .....	Aug. 29	44
carbons are taking over 6% of the			Ferguson, The H.K. Co. - will design and			Has drawn up the design of a salt-water		
total market .....	Aug. 8	92	construct new plant for Noralyn			conversion plant using nuclear energy ..	Nov. 28	52
Will soon be marketing its modified butyl			Paper Mills at Bueche, La. ....	July 18-28	Oct. 31-74	Prime contractor for Interior Dept.'s		
rubber produced at Baton Rouge, La. ....	Dec. 5	22	Ferguson, J.L., Co. - disposable inker			second saline-water conversion plant ..	Aug. 22	41
Ethel Co. - will build Greece's first tire			employing Porelon resin .....	Oct. 10	50	Purchased reactor from Signal Oil for		
plant with the Societe Internationale			Ferro Corp. - Ferro Chemical has licensed			Shamrock at Sunray, Tex. ....	Sept. 19	72
Pirelli S.A. ....	Oct. 31	25	Nissan-Ferro to produce and sell its			Sales and earnings .....	Dec. 26	24
Ethyl Corp. - filed complaint against			polyvinyl chloride heat and light			Will make packing for W.R. Grace's all-		
Hercules, Stauffer and Texas Alkyls,			stabilizers .....	Nov. 28	49	plastic cooling tower .....	Nov. 14	80
asked the court to declare that Ethyl			Mexican branch will diversify into fields			Food and Drug Research Laboratories, Inc. -		
and its alkyl customers are not			untouched by Ohio parent .....	July 11	24	fringe benefit plans .....	Aug. 15	35
infringing patents .....	Oct. 17-20	Nov. 7-23	Polyethylene light stabilizer .....	Aug. 1	49	Food Fair - opening service station ..	Oct. 24	58
Increasing capacity for a complete line			Ferro Enamel de Mexico - Ferro's subsidiary			Food Machinery and Chemical Corp. - AFN		
of aluminum alkyls and alkyl aluminum			has begun production of vitrified glass			high-energy fuels plant may be expanded		
halides at its Orangeburg, S.C. plant ..	Dec. 12	22	enamel and glass coloring .....	July 11	24	Becco Chemical Division has a new		
New antiknock compound .....	Oct. 10	74	Ferrostahl - submitted proposals to finance			process for continuous epoxidation ..	Oct. 17	67
Ethyl Corp. of Canada - will begin construction			and build synthetic rubber plant for			Chemical Divisions first winner of		
of chlorinated hydrocarbons			Brazil .....	Sept. 19	42	Kirkpatrick Award - streamlined management		
plant near Samia, Ont. ....	Aug. 8	25	Ferticas sets Fertilizantes de Centro America			structure sets fast chemical growth		
Evans Chemicals Inc. - benzyl mercaptan,			Fertila Internationale Handelsanstalt -			pace Oct. 3-9, 36, Nov. 21-16, Dec. 5-14	Dec. 12	41
organic sulfur .....	July 11	66	West German firm that handles all sales			Ofenals and Plastics divisions have		
Produces p-chlorothiophenol in small			of East German potash, will close its			formed two new departments to make		
quantities .....	Sept. 5	38	New York office .....	July 4	64	and market Dapon and epoxy resins ..	Sept. 12	41
Evans Research and Development Corp. -			Fertilizantes de Centro America (Ferticas) -			Fairchild Chemicals offers labeling primer	July 11	98
installed a new laboratory for radio-			new company 50% owned by International			Niagara Chemical is experimenting with		
isotope research .....	Oct. 3	100	Development & Investment Corp. will			wild oat controllers .....	Dec. 12	82
Evergreen Chemical - set up Astoria Ply-			build plant in Costa Rica or El Salvador			Niagara Chemicals Division will produce		
wood and Multnomah Plywood, may soon			FERVET - subsidiary of Lepetit and Ciba,			a wide range of pesticides at South		
be renamed Evergreen Adhesive and			set up to produce antibiotics and			Haven, Mich. ....	Dec. 12	45
Chemical .....	Aug. 15	67	fermentation products .....	Nov. 14	43	Ordnance Division has made Defense Dept.		
Ex-Cell-O - experimenting with plastic-			Fiber Industries Inc. - joint venture of			inquiries about installing RAM-modified		
coated containers .....	Aug. 8	92	Celanese and ICI has purchased a license			engines in experimental military vehicles	Dec. 5	69
Expressway Industrial Park - offers trade-in			from Du Pont to produce and market			Sales and earnings .....	Nov. 7	17
plan for financing capital expansion .....	Sept. 19	94	polyester fiber, Teron, in Shelby, N.C.			Westvaco Chlor-Alkali Division handles		
			Who will supply DMT for Teron polyester			Intermountain output of soda ash from		
			fiber production at Shelby, N.C.?			Green River trona .....	Aug. 29	40
			Fiber Research - new independent laboratory			Westvaco strike .....	July 4-13	Aug. 8-61
			for pulp and paper studies .....	Oct. 17	80	Footle Mineral - n-butyl lithium catalyst	July 4	43
			Fibreboard Paper Products Corp. - Pabco			Capacity increase of electromanganese		
			Paint Division helped Truckee, Calif.,			plant at Knoxville, Tenn. ....	Aug. 15	20
			paint itself .....	Oct. 10	77	Disaster handling - explosion at		
			Finkl, A. & Son - metal purification			Knoxville, Tenn. ....	July 11	76
			Firestone Rubber & Latex Products Co. -			Has broken ground for research and engineering		
			urethane fiber under development at			building near Exton, Pa. ....	Aug. 29	82
			Fall River, Mass. ....	Nov. 14	73	Vying for a major share of Shell's		
			Firestone Tire & Rubber Co. - building a			polyisoprene business .....	July 11	83
			tire manufacturing plant at Calgary, Alta.			Will continue to make high-purity silicon	Oct. 10	66
			California Institute of Technology has			Ford Motor Co. - automobile finishes ..	Oct. 3	84
			received \$1,050,000 for construction of a			Falcon line presentation aired on closed-		
			new aeronautics lab .....	Aug. 8	78	circuit television .....	Nov. 14	92
			Chemical Row built under contract			Raviolo, Victor, gives inside story on how		
			Completing its Orange, Tex., Coral			to set to auto makers .....	Dec. 12	116
			"synthetic natural" plant .....	Dec. 5	22	Foremost Food and Chemical - defoamers		
			Dacron-cord tires .....	Aug. 15-57	Sept. 5-72	for general industry and paint systems	Nov. 28	74
			Entering nylon and polypropylene production			Formica Corp. - subsidiary of American		
			at Hopewell, W.Va. ....	Sept. 26-19,	22	Cyanamid is building a research and		
			Orange, Tex., plant will be capable of			development laboratory at Evendale, O.	Aug. 8	78
			producing Coral and Diene .....	July 18	53	42 Products, Ltd. - Klein, Paul, president,		
			Sales and earnings .....	Dec. 26	24	draws executives from ranks of the		
			Settlement .....	Sept. 19	100	retired .....	Nov. 14	83
			Stockholders will vote on a three-for-one			Foster Grant Co. - LaBelle, John, predicts		
			stock split .....	Nov. 28	49	that integration will take place most		
			Will build multimillion-dollar manufacturing			rapidly in the older, established plastics		
			facility outside Paris, the 18th overseas			Planning to offer new common stock to		
			venture .....	Oct. 17	19	the public to get expansion money ..	Oct. 17	34
			Will put up India's first synthetic rubber			Will build research center in Leominster,		
			plant .....	Oct. 10	17	July 25	112	
			Firmenich, Inc. - will market aromatic			Foster Wheeler - will handle the general		
			products of Glidden Co. ....	Dec. 26	25	engineering for the Shiraz nitric acid		
			First Mississippi Corp. - Southwestern			and ammonium nitrate plant .....	Dec. 12	45
			Nitrochemical, jointly owned with			Francolor, Inc. - division of Compagnie		
			Southwestern Agrochemical will build			Francaise des Matieres Colorantes		
			anhydrous ammonia plant in Chandler,			offers dyestuff for polyester fiber ..	Oct. 17	78
			Ariz. ....	July 25	35	Frank, J.P., Chemical Corp. - will double		
			Firth Sterling Inc. - forgeable tungsten by			its polymerization facilities in	Aug. 29	44
			vacuum sintering technique .....	July 4	44	Brooklyn, N.Y. ....		
			Fish Engineering - Continental Carbon			Franklin Institute Laboratories - new		
			awarded contract to Fish for expansion			catalytic cure for nitrogen oxides in		
			of carbon black plant at Lake Charles, La.			automobile exhaust .....	Dec. 5	69
			Fisher Scientific - offers new attachment			Freeda Pharmaceutical Co. - Kosher		
			that converts balance into a recording			aspirin and vitamins .....	July 11	93
			instrument .....	Nov. 7	66	Freepore Nickel Co. - subsidiary of Freepore		
			Fisons, Ltd. - acquired Hy-Trous Co. of			Sulphur is completing construction of		
			Canada .....	Sept. 12	41	nickel-cobalt facilities at Moa Bay,		
			Flex-I-Bush Corp. - throwaway toothbrush			Cuba; Port Nickel, La., refinery is		
			Flint, Eaton & Co. - acquired by Baxter			gearing for production .....	Sept. 12	41
			Laboratories .....	Sept. 19	56	Freepore Sulphur - contract to supply nickel		
			Flintkote Co. - acquired Calaveras Cement			ore to the government's processing		
			Co. ....	Oct. 31	18	facility at Nicaro, Cuba, has again		
			Aluminized asphalt coating .....	Sept. 12	113	become a matter of controversy ..	July 25	38
			Purchased Kosmos Portland Cement in '57			Frash process sulfur plant is seven miles		
			- is continuing its expansion into the			at sea in the Gulf of Mexico .....	Nov. 28	102
			cement industry by merging with			No intention to let CFFC gain control of NP	July 11	87
			Calaveras Cement Co. Aug. 8-17			Will be hit by Cuba's new mineral law		
			Florida Citrus Mutual - plans to paint head-			first output due from Moa-Bay-Louisiana		
			quarters building with new coating made			nickel and cobalt project and Port Nickel,		
			from citrus peel oil .....	Sept. 26	64	La., refinery .....	Nov. 7	18
			Florida Fertilizer Co. - set to build plant			Front Chemical - chlorine price-fixing		
			in Wauchoula, Fla. ....	Nov. 7	26	will settle .....	Sept. 19	19
			Florida Oil and Refining Co. - subsidiary of			will supply hydrogen for Abbott's new		
			The Frontier Refining Co. is planning			Wichita, Kan., plant .....	Oct. 17	36
			to build the state's first oil refinery ..			Frontier Refining Co. - Florida Oil		
			Florida Power Corp. - foamed-in-place			Refining, a subsidiary, is planning to		
			polyurethane simplifies valve insulation			build the state's first oil refinery ..	Oct. 10	37
			Florida Inc. - Florida firm purchased by			Fruehauf Trailer Co. - designed trailer		
			Pennsylvania Glass Sand Corp. ....	Aug. 22	25	which can carry bulk liquids .....	Nov. 28	94
			Fluid Chemical - making new liquid all,			Fuller Co. - paint plant being built in		
			packaging it for Lever .....	Dec. 19	72	Central America .....	Nov. 7	17
			Fluor Corp. Ltd. - built helium recovery			Fuller, W.P., & Co. - formed Community		
			plant at the Keyes natural gas field near			Project Division to carry out goodwill		
			Boise City, Okla. for U.S.B.M. ....	Sept. 12	99	ventures .....	Oct. 10	77
			Construction of Shamrock's cracking unit			Fuller-Irgon Corp. - LCA is buying into the		

rocketry field	Dec. 5	18	circuit TV to seven cities	Nov. 14	91	Aircraft Div. produces and stores hand-made	Nov. 28	56
Funakawa Chemical Industries Co. — first plant to use Indiana standard polymerization process for polyethylene	Oct. 10	74	General Motors and antitrust try to reverse La Bay's ruling	Oct. 17	35	Buladene styrene latex, Pillot 5352, to be made at Akron, Ohio	Nov. 7	69
The Gabriel Co. — Rocket Power, Inc., a subsidiary, is putting up facility at Mesa, Ariz., to produce solid propellants	Oct. 10	37	La Bay's ruling	Oct. 3	84	Chemical Division — synthetic resin latex	Nov. 14	88
Garfield Chemical — forced to shut down its 1,000-ton/day sulfur plant	Aug. 29	113	Du Pont can keep its GMI stock, but must give up voting rights, Judge La Bay rules	Oct. 10	33	Dimethyl terephthalate shipped from Amoco	Aug. 22	41
Gas Rubber — stand up to striking plant at Madison, Tenn.	Dec. 5	22	Du Pont-GMI antitrust case decision calls for total split of management	Nov. 28	42	Revealed intentions of building a synthetic natural rubber plant	July 18	53
Gelco Chemical — DDT contract with GSA. Diazinon tested against mosquitoes	Dec. 5	82	Du Pont tax relief hassle	Nov. 5	96	URL wants to reopen company-wide contracts for bargaining on wage increases	July 18	84
Experimenting with wild cat controllers	Dec. 12	82	Former executive vice-president discusses retirement	Dec. 26	13	V-belt	July 18	50
Gelco Pharmaceuticals Div. developed Toltrani antidepressant	July 4	46	Legislation to aid Du Pont stockholders in the GMI antitrust case faces a new roadblock	July 18	33	Will build a plant at Tilburg in south Holland to produce textile resins	July 11	27
Price-fixing suit against Ciba, Gelco, Sandoz and Toms River ended last week	July 18	34	Sponsors investigation of automobile exhaust scanner link by Sloan-Kettering	Sept. 12	78	Will discontinue manufacture of rubber flooring materials and switch to vinyl products	Dec. 5	81
The Gelman Instrument Co. — air sampler	Dec. 5	56	United Motors Service — windshield washer	Nov. 28	73	Will replace its Vitafilm process facilities by 50% — second expansion for Films and Flooring Division this year	Nov. 7	26
GEMBO — Royal Netherlands Salt Industry plans new acquisition	July 11	27	General Petroleum Corp. — Petroleum Chemicals Dept. will be taken over by Mobil Oil	Sept. 12	17	Gold-National Batteries — moved its nickel-cadmium sealed-cell production operations from Depew, N.Y. to St. Paul, Minn.	Aug. 15	27
General American Transportation — Fuller Co.'s Alvey Division and Dracore are makers of pneumatic conveying systems	Sept. 26	93	General Printing Ink Co. — Division of Sun Chemical is building ink plant in Cincinnati	Aug. 29	44	Goulds Pumps, Inc. — two new pumps designed for petrochemical and related plants	July 25	106
Fuller Co.'s Dracore Division developed sonic filter cleaning system	Nov. 14	101	General Telephone & Electronics Corp. — Sylvania Electric Products, Inc., a subsidiary, is out with a new electronic-grade potassium silicate	Nov. 7	64	Grace Chemicals Co. is plastics supplier to Revell, maker of Dr. Seuss toy zoo	Sept. 26	42
General American Valve Co. — control valve	Sept. 19	76	General Tire & Rubber — completed a \$350,000 expansion that ups latex	July 18	78	Cryovac Division spent \$50,000 for safety tests of food packaging film	Sept. 5	9
General Aniline and Film — owns DuPont Graphic Systems jointly with Douglas Aircraft	Sept. 5	31	Settlement	Sept. 19	100	Davison Chemical's fertilizer plant in S.C. closed by hurricane Grace	Oct. 10	18
Oxaloid Div. plants in Johnson City, N.Y., and Vernal, N.Y., to begin boost	July 18	84	Georgia Marble Co. — Calcium Products Division has opened a sixth plant to produce calcium carbonate pigment	Aug. 8	25	Davison Chemical's monazite capacity	Sept. 19	120
Planning new pigment sales strategy	Dec. 5	61	Georgia-Pacific Corp. — Coos Bay, Ore., resin plant is now operating on a 20-day/week schedule	Aug. 15	19	Davison's Drie-Die 67 silica gel and Dibrom to control dog ticks	Nov. 14	79
Preparing for a trial concerning ownership and vested stock	Dec. 26	17	Gerence S.A. — joint investment with Montevideo S.A. for a new chemical plant in Argentina	Oct. 17	36	Davison Chemical Division and five electric utilities have formed an industrial reprocessing group (IRG)	Dec. 26	49
General Carbon & Chemical — Dakota Salt, a subsidiary, is ready to start salt plant east of Williston, N.D.	July 4	23	Gerretsen Building Supply Co. — truck loaded with explosives caught fire	Aug. 15	19	Dewey and Almy is completing its new Polytren laboratory at Cambridge, Mass. Dividend declared	Aug. 29	82
General Dynamics — Convair, a division, relies on its patent department to market its inventions	Aug. 22	35	Getz Extensimex, Inc. — Georgia dropped false-advertising charges	July 25	84	Electronic Chemicals' ultrapure silicone — floating-zone refining and crystal growing	Oct. 3	72
Convair and General Atomic divisions organized research advisory committees	Sept. 5	91	Gilman Plasmadine Co. — spray gun	Dec. 5	56	Grex polyethylene bowls fresh from molding machine at Macy's in New York	Sept. 19	50
General Atomic Div. awarded contracts for construction of an additional 110,000 sq. ft. of space at its John Jay Hopkins Laboratory for Pure and Applied Science	Sept. 19	108	Gillette Co. — filed suit against Pinaud charging trademark infringement	Dec. 26	42	Has purchased the assets of Endura Corp. and Vandervoort	Sept. 26	26
General Atomic Div.'s new research center in San Diego, Calif.	July 11	62	Harris Research Laboratories, a subsidiary, offers its researchers the pay and benefits of a large company	Oct. 17	36	Polymer Chemicals' vinyl has made available two new types of film-grade polyethylene resin	Nov. 28	58
Liquid Carbonic Division's Rex Nicholson says that Dynamics Reading should be formed as a joint subsidiary	Sept. 26	80	Gilmore Industries, Inc. — electric hoist scale for use on materials-handling vehicles	Dec. 5	54	Signed a contract to manage the Gonzalez Chemical Industries fertilizer plant at Guánica, Puerto Rico	Oct. 24	30
Proposed chemicals-from-an-tracta venture with Philadelphia and Reading Co. is making headway	Nov. 21	24	Gilpin Construction Co. — Celgar has awarded contracts for pulp mill at Castlegar, B.C.	Aug. 8	25	Will use an all-polyethylene cooling tower for expanded ammonia facilities at Memphis, Tenn.	Nov. 14	80
To merge with Material Service Corp. through an exchange of stocks	July 4	17	Girdler Catalysts — developed a group of new catalysts for selective hydrogenation and reforming	Oct. 31	76	Granada Plastics Co. — acquired by Rexall Drug & Chemical, will serve as West Coast polystyrene producer	July 4	17
General Electric — Atomic Power Development Dept. — Zelenak, E.I., discussed economic factors of fuel cycles at nuclear conference	Nov. 21	164	Girdler Construction — will build hydrogen unit for Wesson Oil & Snowdrift at Memphis	Oct. 17	36	Grand Central Rocket Co. — plans for a transportable plant for continuous on-site propellant mixing were discussed at the ARS meeting	Nov. 28	90
Bought Dynapak unit from Convair	Aug. 8	76	Givaudan-Delawanna, Inc. — perfumery a.d. Glomaron Pipe & Foundry Co. — Plastics Division created for manufacture and sale of polyvinyl chloride pipe	Oct. 17	53	Grand Union — had cranberries tested for traces of herbicidal contamination	Nov. 28	48
Chemical research	July 11	64	Glaxo Laboratories Ltd. — investigating commercial production methods for new antibiotic, cephalosporin C	Dec. 26	50	Plans to open service station	Oct. 24	58
Cross-licensing agreements on polycarbonate polymers with Bayer; Lexan signed for big production boost at Mount Vernon, Ind.	Sept. 12	78	Is putting up pharmaceuticals plant in Malaysia	Sept. 5	31	Graphic Calculator Co. — slide-rule periodic chart	Sept. 12	50
Cyanobenzylated kraft used in Permalex insulation	Aug. 22	21	Received permission to invest in Argentina	Oct. 3	31	Grays Harbor Paper Co. — installing a high-speed paper machine and related facilities in its mill at Hoquiam, Wash.	Nov. 28	49
Dash Five engine	Oct. 24	72	Glengary Processes Inc. — the Mini-Weigh unit, new automatic weighing unit	Sept. 19	76	Great Lakes Carbon Corp. — acquires the plant and physical assets of Crescent Carbon	Nov. 14	43
Developing nuclear plant for Commonwealth Edison	Dec. 12	82	Glenn L. Martin Chemical Division — U.S. Rubber discloses plans for expansion of PVC at 30th anniversary of acquisition	Dec. 26	25	The Dicalite Dept. has developed rotary-seal valve	Sept. 19	74
Gaynor Joseph, reports that fluidized coating methods will eventually replace conventional techniques	Dec. 12	82	Glidden Co. — aromatic products will be marketed by Firmich	Dec. 26	25	Strike at Morganton, N.C. July 11-18, 1975-86, Dec. 19	43	
Klendaugh, George H. says that management should be given greater latitude in setting periods over which assets can be depreciated	Dec. 12	48	Construction of synthetic resin reactor at the Cleveland plant	Aug. 22	25	Great Lakes Steel — Div. of National Steel will get oxygen plant at the		
Magneto-hydrodynamic generator generates electric power directly from hot gases	Nov. 7	70	Exterior latex	Sept. 12	113	Mich. plant.	Aug. 1	24
Man-made diamonds Aug. 15-70, Nov. 21-171, Nov. 28-90	Oct. 10	92	Point plant being built in Central America	Nov. 7	17	Great Northern Oil Co. — Pipe Bend refinery has begun construction of limestone's first sulfuric acid alkyl unit	Nov. 14	43
Manual circuit breakers	Sept. 26	38	Will build unit for production of synthetic resins	Aug. 8	25	Sulfuric acid alkyl unit is being built by Viro's Treco Construction Div.	Nov. 28	49
Model 250 for machine searching of literature	Sept. 19	74	Glidden International — subsidiary of Glidden Co. has a royalty arrangement with Courtbuid.	Dec. 19	20	Griscom-Russell — put in new facilities for fabricating heat transfer equipment	July 18	45
Motor starter	July 11	25	Globe-Union, Inc. — battery-maker plans new engineering center	Oct. 17	80	Grove Laboratories, Inc. — filed suit against	Dec. 26	42
Polycarbonate unit slated for Mount Vernon, Ind.	Aug. 1	43	Golden Gate Corp. — add electrolytic operation to its gold-recovery process	Nov. 28	118	Gulf Oil — benzene plant at Port Arthur, Tex. is on strike	July 18	78
Reducing prices of large turbines	Nov. 21	192	Goldschmidt, Ltd., AG — Ronsan has signed agreement to use the rare-earth facilities	Sept. 26	26	Planning a major chemical complex in Philadelphia	Nov. 14	20
Silicone Products Dept. has a new silicone vanish, SR-220	Aug. 15	84	Gonzalez Chemical Industries — fertilizer plant at Guánica, Puerto Rico will be managed by W.R. Grace	Oct. 24	30	Suit brought against Gulf Oil by a Troy service station operator	Dec. 19	48
Silicone Products Dept. is offering two new silicone rubbers	Aug. 15	27	Goodrich, B.F. Co. — Settlement	Sept. 19	100	Gulf States Utility — increased its installed capacity	Nov. 28	46
Started preliminary engineering work for AEC's Hanford Works near Richland, Wash.	Aug. 15	61	Goodrich, B.F. Co. — came in as second producer of glacial acrylic acid	Oct. 31	56	Gulf Sulphur Corp. — stockholders will vote on increasing long-term debt limit	Aug. 15	24
Studying new applications for its cyanobenzylation process	Sept. 12	56	Carbopol 934 used in glass mold lubricant	Nov. 14	88			
Trying to sell aircraft jets for its cyanobenzylation process	Sept. 12	56	Cosmetics gel, Carbopol 940	Sept. 12	115			
Yttrium may hold the key to improved high-temperature oxidation resistance	Nov. 14	122	Estimated plant capacity of acrylic acid and esters	Aug. 1	60			
General Electric Research Laboratory — polycrystalline ceramic, called Lucoalox, is translucent	Sept. 26	38	Low-cost chemical treatment of fabrics	Oct. 31	18			
General Food Products — purchased by Stauffer	Dec. 12	22	Osborne, Edward, said that vinyl-coated metal is moving into a "fabulous" market	Nov. 21	175			
General Hemetic Sealing Corp. — heavy-duty seals	Nov. 7	46	Vinyl plant in Australia	Aug. 8	25			
General Mills — approved stock split	Aug. 29	44	Goodrich-Gulf — will produce "oriented polyolefins"	Dec. 12	21			
Chemical Division has 24 new fatty nitrogen compounds	Aug. 1	49	Goodyear Pumps Inc. — fire pump	Nov. 7	48			
New research center expected to be ready next year	Sept. 12	40	Goodyear Tire & Rubber — Aircraft Corp. offers an optically clear plastic laminate, Thermoshield	Sept. 5	72			
Stockholders meeting held via closed								



firm at Dresden, Ont., purchased by Consolidated Mining.....	July 25 35	Will build plant at Fords, N.J., to produce maleic anhydride and fumaric acid.....	July 25 33	supply Poland with know-how and license to build a polyester fiber plant	Oct. 3 23
Harris Research Laboratories - Gillette subsidiary offers the pay and benefits of a large company to its researchers	Aug. 15 35	Will double its capacity at Fords, N.J., for ortho- and para-toluenes.....	Dec. 19 20	Agreement with Englehard Industries about production and sales of electrodes.....	July 25 79
Marshall Chemical - improved techniques of copper-nickel-chromium plating.....	Nov. 21 172	Will start construction of its maleic anhydride plant at Fords, N.J.....	Dec. 26 18	Alkali & Chemicals Corp., a subsidiary, is building rubber chemicals plant in Rishra, West Bengal.....	Oct. 17 36
Sales and earnings.....	Aug. 8-17 Dec. 26-24	High Purity Metals Inc. - Indium Ingot.....	Dec. 26 75	Building a plant at the industrial park at Tema, Ghana.....	Dec. 12 45
Hartford Fibres Co. - Division of Bigelow-Sanford Carpet Co. will market Zantrel fiber, plant in Rocky Hill, Conn. to be ready next summer.....	Aug. 22 42	Hilton Hotels Corp. - settled a government antitrust case out of court.....	Sept. 5 98	Canadian Industries will increase Canadian representation on its board of directors.....	Sept. 19 42
Harvey Aluminum - aluminum protection.....	Aug. 15 54	Hindustan Aluminum Corp., Ltd. - Kaiser will build aluminum plant and hold a 27% interest in new company.....	Aug. 29 18	Chambers, Stanley, succeeds Sir Alexander Fleck as chairman.....	July 4 18
Volced interest in USBM aluminum route	Aug. 22 61	Hoechst-Egypt - drug company in which Hoechst will have 60% ownership.....	Dec. 12 45	Dyes for nylon trademarked Procionyl.....	Sept. 19 54
Harvey, G.F., Co. - developing pallium, new cancer painkiller.....	Dec. 26 49	Hofman Electronics Corp. - dedicated a semiconductor center for research and production of solid-state materials devices.....	Nov. 28 80	Electronic-grade silicon capacity has been increased.....	Dec. 12 109
Harwick Standard Chemical Co. - sales agent for Noron Aiz.....	Sept. 19 54	Hollingsworth & Vose - manufacturer of cyanopolymerized kraft paper.....	Nov. 28 80	Expansion program of its subsidiary, Industrias Químicas Argentinas.....	Aug. 8 18
The Hays Corp. - oxygen analyzer.....	July 11 58	Hooker Chemical Corp. - alkyl resin system.....	Nov. 21 192	Duperal, S.A.I.C. ....	Aug. 15 57
Head Wrightson & Co. Ltd. - formed new international company, McKee Head Wrightson, Ltd., with Arthur G. McKee & Co.....	Aug. 29 44	Approved plans for a potassium phosphate plant at Jeffersonville, Ind.....	Dec. 26 18	Firestone has been working with Terylene fiber.....	July 25 20
Heavy Minerals - monazite capacity.....	Sept. 19 120	Charling a five-year, \$100-million growth program.....	Sept. 12 40	Holds exclusive manufacturing and sales rights outside the U.S. of polyester fiber	July 11 70
Hedwin Corp. - plans to bring its 15-gal. disposable containers into commercial production.....	Nov. 28 93	Explosion at Niagara Falls, N.Y.....	Aug. 8 23	Licensee of Henkel process.....	Nov. 21 47
HEF Inc. - ammonium perchlorate plant expansion at Columbus, Miss.....	Sept. 12 40	Has not received any major shipments of chemical-grade urea from Solar.....	Dec. 12 109	Made an agreement for a 42-hour week.....	Dec. 26 50
Heinrich Meyer GmbH - cellulose plant proposed for Buenos Aires province.....	Aug. 15 27	New corporate headquarters will be established in New York; Eastern Chemical Div. will be operated at Niagara Falls; Durez Plastics Div. will remain in Tonawanda, N.Y. and centralized research will be carried on at Grand Island, N.Y.....	Nov. 7 18	May have difficulty in obtaining patents for planitized titanium electrodes.....	Sept. 12 115
Helex Co. - startup privately owned helium unit at Sunray, Tex.....	Sept. 12 100	Planning to offer new securities to finance expansion.....	Aug. 15 26	Orange-brown dye added to the Procion line of ICI dyes.....	July 4 25
Henkel & Cie, GmbH - benzene-to-terphenylic acid process and the first licenses.....	July 11 70	Pyron's plant in Niagara Falls is on property owned by Hooker.....	Nov. 7 26	Polyester film plant will go up near Dumfries, Scotland; ICI hopes to build profitable export trade in the Melinex film	July 25 35
Henriques, J.B. - U.S. distributor of ICI's Fluon CDI.....	Sept. 19 124	Sales and earnings.....	July 18 50	Polytetrafluorethylene, trademarked Fluon CDI.....	Sept. 19 124
Hercules Powder - chose Lake Charles, La., as the site for its second resin plant. Considering an additional new polypropylene facility; will increase capacity at its Parlin, N.J., plant.....	Nov. 21 24	Hoover Electric Co. - two new motors.....	Oct. 17 20	Prime mover in anode development.....	Dec. 12 67
Double-base solid propellant developed for Explorer VI.....	Aug. 15 20	Hostachem Corp. - Intercontinental will build headquarters in Mountainside, N.J., for its affiliate.....	Oct. 3 31	Removed from the Arab League list of companies boycotted for doing business with Israel.....	Sept. 5 31
Ethyl filed complaint, asked the court to declare Ethyl and its ethyl customers are not infringing patents.....	Oct. 17-20 Nov. 7-23	Hostawax Co. - Intercontinental will build headquarters in Mountainside, N.J., for its affiliate.....	Oct. 3 31	Sold Thorium Ltd. to Dow and Rio Tinto will give technical help to Mexico's new polyethylene plant.....	Nov. 14 43
Explosion killed two employees and destroyed three buildings at Kenil, N.J., propellant plant.....	Oct. 10 17	Houdry Process Corp. - developed a new catalytic process, called Ltal.....	Nov. 14 125	Imperial Chemical Industries of Australia - Newcastle Chemical, a joint venture with Broken Hill, plans to double its phthalic capacity.....	Aug. 8 25
Gulf site is under consideration for its second polypropylene plant, with Mobil as possible supplier.....	Oct. 24 27	Houston Light & Power - increased its installed capacity.....	Nov. 18 46	Imperial Color Chemical & Paper Corp. directors have declared a special dividend and are recommending a stock split.....	Aug. 8 25
International Dept. established - next overseas venture may be in Egypt.....	Dec. 19 20	Howards - sold Thorium Ltd. to Dow and Rio Tinto.....	Nov. 14 43	Imperial Oil Ltd. - holds petroleum rights at Redwater field.....	Dec. 12 76
Kuniholm, John, discussed the problem of government regulations in the plastic industry at CMRA meeting.....	Nov. 21 23	Hudnut, Richard, Co. - FDA recalls hair-waving product.....	Sept. 26 30	Plans joint crude oil processing, gas treating and sulfur recovery facilities, with several Canadian firms, in the Innisfail oil field, near Calgary, Alt.....	Nov. 21 31
Licensee of Henkel process.....	July 11 70	Hudson's Bay Oil and Gas Co. - plans joint crude oil processing, gas treating and sulfur recovery facilities, with several Canadian firms, in the Innisfail oil field, near Calgary, Alt.....	Nov. 21 31	Will build research center in Samia, Ont.....	Oct. 17 80
Mayfield, Paul, predicts plastics production increase.....	Sept. 26 19	Hughes Aircraft Co. - silicon casting.....	Oct. 17 70	Imperial Smelting Corp. Ltd. - subsidiary of Consolidated Zinc, is setting up Consolidated Beryllium, as a joint venture with Beryllium Corp.....	July 11-18 July 18-27
Methanol plant to be constructed at Hercules, Calif., plant site near Richmond	Dec. 5 17	Hull Iron Mines, Ltd. - will supply crude ore for Quesco's Strategic-Udy plant.....	Dec. 26 36	Indian Metallurgical Institute - new refractories.....	Oct. 3 56
Plans to build plant for fractional distillation of crude tail oil at Burlington, Ont.....	July 18 28	Humble Oil - Baytown refinery will supply propylene for Union Carbide's Texas City installation.....	Nov. 28 41	Industrial Bio-Test Laboratories - keeps good researchers by offering ample salaries.....	Aug. 15 35
Plans to triple DMT production at its Burlington, N.J., plant.....	Oct. 10 18	Building propylene plant at Baytown, Tex. Contract proposals between OCAW and Baytown, Tex., refinery.....	Oct. 17 110	Study of the toxicology of materials for packaging supplied to food packers.....	Aug. 29 85
Polypropylene capacity for 1963, at least 130 million lbs.....	Dec. 19 19	Domestic operations of Standard Oil Co. of New Jersey and Humble Oil consolidated.....	Sept. 12 17	Industrial Development Corp. - Japanese mission is in Ghana studying the feasibility of setting up solar evaporation salt facilities.....	Sept. 19 42
Rocky Hills, N.J., plant employees voted for ICWU representation.....	Dec. 26 42	Multiple purpose chemical plant on stream at Baytown, Tex.....	July 18 59	Industrial Nuclearis Corp. - comments on the problems confronting industrial isotope manufacturers.....	Sept. 12 72
Sales and earnings July 25-19, Oct. 24-23.....	Oct. 31 22	Plans new tube oil processing plant and expansion of two existing plants at Baytown, Tex., refinery.....	Nov. 7 26	Industrial Products, Inc. - capital stock acquired by Texize Chemicals.....	Dec. 26 25
Correction.....	Nov. 7 17	Polypropylene capacity for 1963: a possible 65 million lbs.....	Dec. 19 19	Industrial Rayon Corp. - plans semicommercial production of "Prolene" staple fiber.....	Nov. 14 19
Stabilizer and thickener.....	July 11 98	Reorganization move involves extensive personnel changes.....	Dec. 12 43	Slashed prices on Tyrex viscose yarn.....	Sept. 26 19
Study of the toxicology of materials for packaging supplied to food packers.....	Aug. 29 85	Hurlbut Paper Co. - research will be housed at Mead Corp. in Chillicothe, O.....	Nov. 28 84	Industrial Waste Disposal Corp. - AEC will review waste disposal decision.....	Sept. 12-77 89
Supplies resin for Industrial Rayon's "Prolene" staple fiber.....	Nov. 14 19	Husky Oil - Red Lodge, Mont. coal-char plant not operated or purchased by Husky Oil.....	July 11 27	AEC withdrew license.....	Oct. 17 110
Synthesizing chemicals by the direct application of nuclear energy.....	Dec. 19 74	Hutchinson Chemical Corp. - FTC ruling involving Waterproof Wax.....	July 18 84	Industrias Químicas - Mexico's first citric acid fermentation plant is to be completed by next spring.....	Aug. 15 27
Testing resin for packaging materials.....	Sept. 5 9	Hutton, E.F. & Co. - sulfur market analysis Hydrocarbon Research heavy water may be produced economically by fractional distillation of hydrogen.....	July 25 43	Industrias Químicas Argentinas Duperal, S.A.I.C. - I.C.I.'s expansion program is subject to British government approval.....	Aug. 8 18
Texas Alkyls, a subsidiary, reports full-scale production of aluminum alkyls.....	Dec. 12 22	Preparing its answer to a civil suit over performance of a fertilizer plant on Formosa.....	Dec. 12 82	Injection Molding Co. - maker of plastic bottles is Rexall's latest acquisition on the plastics field.....	Aug. 1 24
Thantite will be tested in New Jersey in the fight against mosquitoes.....	Sept. 19 49	Hydrometals, Inc. - to continue producing a zinc-copper-titanium alloy sheet metal at its Illinois Zinc Division mills at Chicago and Peru, Ill.....	Nov. 14 42	Interchemical Corp. - sales and earnings.....	Oct. 24 23
This year's total payout \$1.30 compared with \$1.10 last year.....	Dec. 5 24	Hy-Trous Co. of Canada - acquired by Fisons, Ltd. and Albatros Superfosfaatfabrieken N.V.....	Aug. 29 42	Intercontinental Chemical Corp. - will build new headquarters in Mountainside, N.J., for three affiliates, Carbic-Hoechst, Hostachem and Hostawax.....	Oct. 3 31
Water-soluble stabilizer.....	July 25 112	IBM - chemical research in intermetallic semiconductors.....	Sept. 12 41	Interhandel - blocked GAF's proposal to acquire an unidentified paper company.....	Dec. 26 17
Herty Foundation Laboratories - developed process with Noralyn for turning Southern hardwoods into high-quality newsprint.....	Oct. 31 74	Imhico - member of West Germany's Imhausen group will supply a polyethylene plant to the U.S.S.R.....	July 11 61	Intermountain Chemical Co. - company owned by Food Machinery and National Distillers has been producing commercial soda ash from Green River brine for 10 years.....	Aug. 29 40
Hess Products, Ltd. - Armour Chemical Industries' chemical division and Hess will be merged into a new company, Armour Hess Chemicals, Ltd.....	Aug. 1 24	Imperial Aluminum Co., Ltd. - joint venture of Alcoa and ICI to operate plant at Maunarywed, South Wales.....	Dec. 5 26	International Development & Investment Corp. - joint venture of Chemical and Industrial Corp. and Phoenix-Rheinrohr owns 50% interest in Ferticas.....	Dec. 19 26
Hewitt-Robins, Inc. - Foam Products Division in Buffalo, N.Y. is shut down; Franklin, N.J., plant is expected to replace its rubber foam cushioning line.....	Oct. 31 25	Imperial Chemical Industries - agreed to	July 4 25	International Fertilizers Ltd. - owned by Fisons and Albatros Superfosfaatfabrieken N.V.....	Sept. 12 41
Heyden Newport Chemical Corp. - formed joint subsidiary with Resinera Unuapan, S.A., Mexican naval stores producer.....	July 4 25				
New company's name: Resinera del Tigre	Nov. 21 44				
Helped fight fire on Houston Ship Channel	July 11 69				
Jet lubricant contract with AF					
Maleic anhydride overcapacity expected - no hint that Heyden is ready to put off building its unit.....	Aug. 8 81				
Nuodex Products Co., a division, has a new line of gelatin agents.....	Aug. 15 85				
Nuodex Products Co. has granted a license for production of its complete line of paint driers to Nuodex Argentina.....	Nov. 21 31				
Raised its quarterly dividend and declared a year-end extra dividend.....	Nov. 7 17				
Sales and earnings.....	Oct. 24 24				
Ultraviolet-ray absorber.....	Sept. 19 54				

International Metalloids - jointly owned by Pechiney and W.R. Grace, employs the Pechiney silicon process	Aug. 8-64	Oct. 10-66	Oct. 3	31	Paper Co. to form Simpson Lee Paper Co. Leeds and Northrup Co. - has dedicated new research center at North Wales, Pa.	Aug. 22	25
Pechiney process is turning out ultra-pure silicone at Toa Alta, P.R.	Oct. 3	72	Nov. 7	80	Heating and cooling control	Oct. 3	98
International Minerals & Chemical Corp. - acquired Miami Fertilizer Co.	Aug. 8-17	Aug. 29-42	Nov. 14	108	Lehigh Chemical Co. - synthetic grease	Sept. 19	74
Bonnie plant still to sign contract	Aug. 22	49	Oct. 31	70	Synthetic instrument of	Sept. 12	113
Husband-and-wife team tells how executive's wives can ease spouses' job burden	Nov. 7	56	Aug. 29	18	Le Joint Français - working agreements with Products Research	Oct. 17-54	Nov. 28
Niagara Falls, N.Y., plant employees walked out of chlorine-caustic production	July 4	69	Aug. 8	25	Leonard Construction Co. - to construct acid plant for Sherbrooke Metallurgical at Port Maitland, Ont.	Oct. 10	45
Teamster relief at the Bonnie plant near Bartow, Fla.	July 18	84	Nov. 14	79	Lepetit - set up a 50-50-owned subsidiary with Ciba to produce antibiotics and fermentation products at Torre Annunziata, near Naples	July 11	27
Three-year contract at Bonville, Fla.	Sept. 12	96	Nov. 14	107	LeToumeau, R.G., Inc. - new source of steel plate	Nov. 14	43
International Nickel Co. of Canada, Ltd. - scheduled startup of mining project at Thompson, Manitoba, for 1960	Oct. 3	31	Nov. 28	99	Lever Brothers - "Big Three" have won another round	Sept. 5	72
International Paper Co. - expansion program at Pine Bluff, Ark.	Aug. 1	22	Aug. 8	25	Liquid All test-marketed	Aug. 22	17
International Resistance Co. - Computer Components Division has new unit for transmitting low-pressure measurements, the Computer	Dec. 5	54	Aug. 15	64	Success of liquid "all" will determine market for liquid low foamers	Dec. 26	69
International Salt Co. - salt separation process	Oct. 17	73	Nov. 14	88	Testing polyethylene containers for liquid detergent	July 18	56
International Synthetic Rubber Co. - Hythe, Southampton, will be the site of synthetic latex plant, owned by Dunlop, Rubber, Goodyear, Firestone and Michelin Tires	Sept. 26	26	Nov. 14	70	Libbey-Owens-Ford Glass Co. - opened its new engineering building, will complete expansion of research facilities	Aug. 1	49
International Telephone & Telegraph - Du Pont licensed silicon route	Aug. 15	58	Oct. 17	70	Plans to build a \$150-million flat glass plant in Stockton, Calif.	July 4	21
Federal Electric's new service: statistical analysis of equipment and system failures	Oct. 10	87	Dec. 12	78	Lilly, Eli - antibiotic called Tylosin reported at ACS meeting	Sept. 26	26
Flameless fusion - new crystal-growing technique	Aug. 29	85	Dec. 5	94	Antitubercular agent five-pole vaccine producers opens in Trenton	Oct. 17-20	Oct. 24-28
Unveiled a ferroelectric converter capable of generating high-voltage power directly from heat	Nov. 28	89	July 18	48	Exonerated of vaccine maker in federal court may favor upcoming drug price hearings	Dec. 12	42
Interlex International Corp. - bidding in Moscow to supply a complete textile plant	Nov. 28	41	Oct. 24	67	Joint steroid research venture with Syntex	Sept. 26	25
Inventa AG. - licenses Vulcan Copper and Supply to convert ammonia into urea at Fomosan fertilizer plant	Nov. 14	42	Nov. 28	74	Retailers brought the actions against three drug firms	Oct. 31	17
Ionics, Inc. - electrode, called Tintellon	July 25	79	Dec. 5	26	Tasteless antibiotic	Sept. 12	48
Hopes to receive patents for platinized titanium electrodes	Dec. 26	50	July 18	68	Lincolnshire Chemical Co. - Port Talbot Chemical Co., a joint venture of Steel Co. of Wales and the Lincolnshire Chemical Co., will build a plant to refine coke-oven crude benzene	Dec. 19	26
Uses a platinized-titanium electrode as an anode in electrolysis units for desalting brackish waters	Dec. 12	67	Dec. 12	45	Linde Co. - blood freezing technique may permit indefinite storage	Oct. 31	60
Ions Exchange & Chemical Corp. - developed an antibacterial spray	Nov. 21	192	July 11	27	Considering construction of a new research center	Sept. 5	94
Ipekhan Co. - Cultured Gem Stones, a subsidiary markets synthetic gem stones	Aug. 15	70	July 18	64	Constructing oxygen plant at its Tonawanda, N.Y. works for Great Lakes Steel	Aug. 1	24
Irwin, Neisler & Co. - developed analgesin, new painkiller	Dec. 26	49	July 18-71	Aug. 1-23	Expanding net-work of on-site plants for making oxygen/nitrogen	Dec. 19	62
J.K. Industries - India's first sodium hydro-sulfite plant, built by Krebs, has gone onstream at Bombay	Aug. 22	25	Nov. 28	99	Flame-fusion crystal-growing techniques - yttrium iron garnet (YIG)	Oct. 24	44
Jack and Heintz, Inc. - RAM Strathachar Combustion System invented by Ralph M. Heintz	Dec. 5	69	Sept. 26	96	German Linde to construct Indian heavy water plant	Aug. 8	66
Japan Upjohn Ltd. - set up by Upjohn and Sumitomo to make pharmaceuticals in Japan	Aug. 8	25	Oct. 17	59	Liquid oxygen-nitrogen plant to be located near the missile engine production facilities at Fort Crowder Reservation	Oct. 10	37
Japanese Geon - Japan's first synthetic rubber plant has been opened - B.F. Goodrich holds an interest	Aug. 1	18	Sept. 12	113	More oxygen and hydrogen onstream	Nov. 21	182
Java Latex & Chemical Corp. - packaging adhesive	Aug. 15	85	Aug. 15	83	Offers new technical data to promote use of molecular sieves by petroleum processors	July 11	38
Jay-H Co. - praise for the quality of Russian potash	July 11	89	Sept. 19	115	Shopping for new research site	Sept. 12	48
Jefferson Chemical - chlorine expansion at Port Neches, Tex.	Nov. 7	80	Sept. 19	42	Synthetic gem stones	Aug. 15	70
Offering faster bulk shipments by barge	July 25	33	Dec. 26	36	Synthetic sapphires by painstaking control of traditional electrochemical process	Sept. 19	79
Jefferson Lake Sulphur Co. - acquires a major deposit of chrysotile asbestos near Stockton, Calif. from American Asbestos Co.	Nov. 21	31	Aug. 8	17	West Coast's largest liquefied gas plant announced at Pittsburg, Calif.	Oct. 31	70
Jerguson Gage & Valve Co. - self-draining valve	Aug. 8	36	Aug. 22	25	Lithium Corp. of America - n-butyl lithium catalyst	July 4	43
Johns-Manville Corp. - Owens-Corning says that Johns-Manville is permitted to make glass-fiber mats and finished panels	Nov. 28	132	Aug. 22	25	Buying into the rocketry field, will take over Fulton-Irgon Corp.	Dec. 5	18
Johnson & Johnson - Personal Products Corp., an affiliate, pioneers in setting up practical politics course for management	Aug. 22	44	Aug. 22	25	First commercial production of n-butyl lithium at new plant in Minneapolis	July 11	83
Johnson, S.C. & Son - agreed to give National Patent Development exclusive rights to exploit unused patents	Aug. 1	43	Oct. 17	50	Lithium salt looms	Sept. 5	29
Centrifuge for refining camouba wax	Oct. 10	50	Oct. 17	50	Moving all manufacturing to N.C., headquarters to N.Y. area	Aug. 15	26
Self-polishing floor waxes of tomorrow described by John Steine at CSMA meeting	Dec. 19	70	Dec. 12	44	Quebec Lithium filed breach-of-contract suit against LCA	Sept. 19	19
Two new departments have been created in the Service Products Division	Sept. 19	56	Nov. 28	73	Sales and earnings	July 11	83
Jones & Laughlin Steel Corp. - Container Division plans to bring its 15-gal. disposable containers into commercial production	Nov. 28	93	Oct. 3	31	Vying for a major share of Shell's polyisoprene business	Dec. 5	17
Jordan Marsh - IRS is expected to appeal lease-back case	Oct. 24	64	July 18	66	Little, Arthur D. - AF is disregarding recommendations of A.D. Little report	Sept. 19	84
Jordan, W. Alec, Associates - Jordan, Alec, president, states five rules for improving product publicity at SOCMMA meeting	Nov. 14	114	Aug. 8	68	Miniature cooler	Nov. 28	42
Kaiser Aluminum & Chemical - accepted a Ghana government invitation to form international group to build aluminum smelter near the Kosombo and Volta			Dec. 19	26	Boron-fuel contract cancellation	July 11-23, Aug. 15-20, Aug. 22-21, Sept. 5-17, 27, Oct. 3-30	Oct. 27
			Oct. 3	31	Study for NRAC recommends doubled Navy basic research spending	Nov. 21	47
			Aug. 15	27	Loblaw, Inc. - Bayer Aspirin suit filed	Sept. 12	78
			Dec. 5	26	Lockheed - Missile Systems Division predicts electrical propulsion may replace chemical-fueled systems	Oct. 10	74
			Sept. 26	26	NASA will negotiate contract for studies of nuclear rocket using liquid hydrogen propellant	Nov. 21	31
			Dec. 5	26	Long Star Bag and Bagging Co. - acquired by St. Regis Paper Co.	July 11	96
			Aug. 29	44	L'Oreal of Paris - started production of a line of hair dyes at Hamilton, Ont.	July 11	78
			July 25	89	Louisville Cement Co. - contract at the Speed, Ind. plant	July 4	41
			Aug. 8	25	Lowell Industries, Inc. - vibration-absorbing polyisoprene business	Oct. 31	66
			Dec. 5	82	Lubrication Engineers, Inc. - high-temperature lubricant	Oct. 3	60
					Lucas, Joseph - has formed a new firm with Chloride Electricals to build automotive battery plant in Malaya	Sept. 5	31
					Ludlow Paper - sells polypropylene film commercially	Dec. 26	59
					Lukens Steel - details of Nine-Nickel presented at last IOMA meeting	Nov. 7	43

Oxygen-producing plant for Linde Co. is at Coatesville, Pa.	Nov. 21	182	engineering and building of petroleum refineries and chemical plants	Aug. 29	44	Midwestern Gas Transmission Co. - asked FPC to approve import of Canadian gas	Oct. 31	28
Titanium-clad vessels under development	Oct. 17	62	McKesson & Robbins - stockholders approved stock split	Aug. 8	25	Miles Chemical - c-bic acid expansion	Dec. 5	36
Lummas Co. - selected to build high-neutron-flux reactor at Brookhaven National Laboratory	Nov. 14	122	McKinsey & Co. - analysis of executive income	Oct. 24	63	Miles Laboratories - Alka-Seltzer plant in Argentina due to start	Oct. 17	36
Will build petrochemical plant at Lake Charles, La., for Conoco	Aug. 29	18	McNeil Laboratories - has broken ground for a multimillion-dollar plant in Whitmarsh Township, Pa.	Oct. 24	33	Purchased Dome Chemicals	Oct. 17	36
Luzerne Rubber Co. - heated rubber pipe	Aug. 15	54	Mead Corp. - broken ground for additions to its research center in Chillicothe, O.	July 25	35	Miller Products Co. - major expansion program	Sept. 5	31
M&C Nuclear Inc. - rare-gas purification	July 18	42	Mead Johnson & Co. - Argentine government approved expansion outlays	Nov. 28	84	Minerals & Chemicals - sales and earnings	July 25	19
Machinery & Allied Products Institute	Dec. 12	48	Mead Johnson & Co. - Argentine government approved expansion outlays	July 18	17	Minneapolis-Honeywell - devised a telemetering system which will record changes in water quality	Dec. 12	44
Terborgh, George, agrees that management should be given greater latitude in setting periods over which assets can be depreciated	Dec. 12	48	Mead Johnson & Co. - Argentine government approved expansion outlays	Sept. 12	48	Minnesota Mining & Manufacturing Co. - building two wings to its research center	July 11	66
MacKenzie Chemical Works - rebuilding of plant, partly destroyed by fire, has been completed	Sept. 19	124	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 3	31	FTC asks cooperation in wiring trade-practice rules for fluorocarbon industry	Nov. 21	23
MacMillan & Bloedel Ltd. - Powell River and MacMillan are planning a merger	July 18	28	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 5	70	Neoprene coating	Oct. 17	53
Macy, R.H., & Co. - Thanksgiving Day parade features helium-filled "spaceman"	Nov. 28	56	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 5	70	Neoprene coating	Aug. 8	17
Madero - styrene unit and a butadiene plant will be built at the Tampico refinery	Nov. 28	47	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 19	26	Selected Decatur, Ala., as the site for its fluorocarbon plant	July 25	20
Magna Products - Thompson Ramo Wooldridge is buying controlling interest	Aug. 8	17	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 26	25	Will build 14-story administration building at research center near St. Paul	Dec. 19	26
Magnesium Co. of Canada - will get part of its magnesium needs from Dow, part from Dominion Magnesium Ltd.	Sept. 5	17	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 26	25	Misr. Co. - Hercules is negotiating to set up a jointly owned toluene plant in Egypt	Dec. 19	20
Magnolia Petroleum Co. - Mobil Oil will take over the olefin plant at Beaumont	Sept. 12	17	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 15	85	Started construction of caustic soda-chlorine plant Alexandria, Egypt	Aug. 22	25
Malaker, Stephen F., Associates - acquired by Cross Co.	July 18	74	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 26	25	Mississippi Chemical Co. - will offer shares of Class C stock in Coastal Chemical	Dec. 26	24
Mallinckrodt Chemical Works - government will dispose of uranium plant at St. Louis, located on land leased from Mallinckrodt	July 18	74	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 31	33	Mississippi Valley Fuel Co. - Armour acquired ammonia plant at Festus, Mo., will continue to be operated by Armour	July 18	28
New sequestrants	July 18	74	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 3	98	Mitsubishi - plans to use the Pechiney silicon process	Aug. 8	64
\$6-million debenture offering sold out rapidly	July 25	33	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 1	22	Mitsui - Onitite will fill raw-materials gap until Mitsui's TPA plant comes fully onstream	Aug. 1	52
Upset by proposed radiation protection rules	Aug. 8	27	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 5	70	Mobay Chemical - new on-site oxygen/nitrogen unit is in operation at New Martinsville, W. Va.	Dec. 19	62
Malpar, Inc. - trade secrets suit	Aug. 8	60	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 3	31	OCAW okayed a two-year pact at New Martinsville, W. Va.	July 11	18
Manhattan Soap Co. - Purex is expanding plant at Bristol, Pa. acquired from Manhattan Soap	Aug. 15	27	Mead Johnson & Co. - Argentine government approved expansion outlays	Nov. 28	52	Strong in urethane R&D, hasn't a fiber yet	Nov. 14	73
Manitoba Mining and Smelting Co. Ltd. - will supply Borden's new sulfuric acid plant with sulfur dioxide gas	Nov. 7	26	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 12	42	Urethane Corp. of Calif. will use Mobay's one shot catalyst in production of leather foams	Nov. 21	23
Mann Research Laboratories - aerosol reagents	Dec. 12	62	Mead Johnson & Co. - Argentine government approved expansion outlays	July 18	30	Vying in polycarbonate plans for construction of plant in New Martinsville, W. Va.	July 11	25
Amino acid kits	Aug. 8	78	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 19	22	Will boost isocyanate capacity while still in process of increasing capacity of TDI at New Martinsville, W. Va.	Dec. 19	19
Derivatives of amino acids are available for use as standards in protein analysis	Nov. 21	160	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 10	66	Mobil Oil Co. - will take over the olefin plant at Beaumont, Tex. and various operations of Magnolia, GP and Mobil Producing	Sept. 12	17
Maria Christina Chemical Industries - plans to start production of ferroalloys in Manila	Sept. 12	41	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 8	72	Mobil Producing Co. - Mobil Oil will take over various operations	Sept. 12	17
Marshall of Cambridge Electronics Ltd. - developed fuel cell	Sept. 5	38	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 5	70	Molybdenum Corp. of America - American Potash will exclusively develop and distribute rare-earth products in the glass industry	Aug. 1	24
Marshall & Sons - co manufacture and sell C-B's line of water distillation units throughout Europe and the Middle East	Sept. 5	42	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 15	37	Mono-Sol Corp. - PVA film producer	Oct. 31	53
Martin Co. - Crane, William, comments on isotopic power	Sept. 12	77	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 8	78	Monsanto - analysis of the hobby-kit market	Sept. 26	45
Nuclear Div. - another approach to low-cost nuclear power will be tried out under an AEC contract	Oct. 31	59	Mead Johnson & Co. - Argentine government approved expansion outlays	July 18	30	Brake fluids, developed by Douglas Aircraft, are produced and marketed under license	Aug. 22	35
Nuclear Division's liquid fluidized-bed reactor	Nov. 14	80	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 12	48	Building high-purity silicon plant near St. Louis	Oct. 10	66
Stokes sold first units for vacuum-coating cadmium and aluminum on steel	Aug. 22	63	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 1	24	Bye Nitro, W. Va., realty company to find 700 acres of industrial, residential land	Oct. 24	64
Martin, A.M. Co. - produces equipment maker acquired by Atlantic Research Corp.	Oct. 3	100	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 1	24	Capital spending plans - will expand research facilities of petroleum additives and boost ethylene capacity at Texas City	Aug. 8	18
Maruzen Oil - Japanese refiner expected to set up petrochemical subsidiary, Maruzen Petrochemical Co.	Sept. 19	42	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 3	72	"Civic affairs" unit will go into action in '60	Dec. 26	67
Massachusetts Institute of Technology - synthetic fiber expansion by '75, according to new report	Aug. 1	17	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 17	78	Doubling capacity of bisphenol-A facility at St. Louis	Oct. 24	24
Massengill, S.E. Co. - Tennessee, new fungus-fighting drug	Aug. 29	77	Mead Johnson & Co. - Argentine government approved expansion outlays	Nov. 14	42	Eight polystyrene plant expansions are under way	Nov. 28	47
Master Chemical Corp. - manufacturer's liability	Aug. 29	108	Mead Johnson & Co. - Argentine government approved expansion outlays	Sept. 5	31	Elmich, G. Donald, director of mining, said that, since 1944, the Intermountain West has increased phosphate rock production eight times	Oct. 31	18
Mastex Industries, Ltd. - new company formed by Canadian Industries	Oct. 24	30	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 10	96	Extended its contract at Texas City, Tex. Has a new compound for wild oats control	Dec. 5	97
Mastex, Ltd. - acquired by Canadian Industries	Oct. 24	30	Mead Johnson & Co. - Argentine government approved expansion outlays	Nov. 28	84	Has ties with Societa Edison	Dec. 12	81
Master Textiles, Ltd. - acquired by Canadian Industries	Oct. 24	30	Mead Johnson & Co. - Argentine government approved expansion outlays	July 4	18	High-purity silicon plant under construction near St. Charles, Mo.	Sept. 12	17
Material Service Corp. - to merge with General Dynamics Corp. through an exchange of stocks	July 4	17	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 5	24	Joint owner of Mobay with Farbenfabriken Bayer	Sept. 19	115
Matthiessen & Hegeler Zinc Co. - has set up the Sherbrooke Metallurgical to build and operate a zinc sulfide plant and sulfuric acid plant at Port Maitland, Ont.	July 11	27	Mead Johnson & Co. - Argentine government approved expansion outlays	Nov. 21	172	Lion Oil Division has started shipping propylene tetramer from newly completed facilities at El Dorado, Ark.	Nov. 21	182
Six U.S. lead and zinc smelters have teamed up in opposition to current U.S. quotas	Sept. 12	99	Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 31	66	Low-odor plasticizers	Sept. 5	87
Maumee Chemical Co. - saccharin-maker gambles on versatility of new fluorine chemicals	Sept. 5	94	Mead Johnson & Co. - Argentine government approved expansion outlays	Sept. 19	54	Maleic capacity boost	July 11	98
Max Plank Institute for Coal Research - developed a process for the electrolytic production of aluminum	Nov. 21	168	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 8-17	Aug. 29-42	Mould Laboratory workers return after ratification of contract	Sept. 26	104
Polyester compound	Nov. 7	77	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 19	33	Organic Chemicals Division tests its salesmen in manager's role	Aug. 1	38
Maywood Chemical - monazite capacity	Sept. 19	120	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 22	23	Petroleum and Chemicals Corp. will be partner in styrene monomer plant in Australia	July 11	27
McArthur Chemical Co. Ltd. - Alexander, J.H., comments on distributor selling	Nov. 7	89	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 8	78	Plans styrene monomer production increase	Nov. 21	23
McComick Seligman Associates - complete rocket development program for the Navy	Sept. 5	31	Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 8	17	Plans to build research center in Creve Coeur, Missouri - 400 personnel will be transferred from Dayton, O., and from Dorado, Ark.	Sept. 19	108
McGraw-Edison Co. - LECTROMET Furnace Div. says the D-H-H process has sparked a complete reappraisal of the possibilities of vacuum in steelmaking	Dec. 12	76	Mead Johnson & Co. - Argentine government approved expansion outlays	July 25	98	Plastics Div. is marketing water-soluble resin	July 25	94
McKee, Arthur G. & Co. - formed new international company, McKee Head Wrightson, Ltd., with Head Wrightson & Co.	Aug. 29	44	Mead Johnson & Co. - Argentine government approved expansion outlays	Dec. 26	18	Plax affiliate is putting up a West Coast plant to supply that market with plastic bottles and containers	Dec. 12	42
McKee-Head Wrightson, Ltd. - new international company will handle designing,			Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 29	108	Research and Engineering Division offers development quantities of metal oxide	Nov. 7	64
			Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 31	66	Sales and earnings	July 25-19	Oct. 24-23
			Mead Johnson & Co. - Argentine government approved expansion outlays	Oct. 31	28	Scouring and fulling agent manufactured and distributed by Texize Chemicals	Nov. 28	66
			Mead Johnson & Co. - Argentine government approved expansion outlays	Aug. 8	78			



Silane-modified resin	Aug. 1	49	National Patent Development Corp. - Johnson, S.C. & Son has agreed to let an outside firm exploit its unused patents	Aug. 1	43	North Dakota Nitrogen Co. - conducting a survey to find a site other than Riverdale, N.D., for a proposed nitrogen fertilizer plant	Dec. 5	26	
Sommer, Charles, elevated to the post of executive vice-president	July 4	24	National Polychemicals, Inc. - blowing agent	Sept. 19	52	North Shore Laboratories - paint stripper	Oct. 31	66	
Started producing high-pressure polyethylene at Fawley, England	July 4	25	National Potash - contract with Chicago-based Central Farmers Fertilizer Cooperative	July 11	87	Northern States Power Co. - formed an industrial reprocessing group (IRG) with five companies	Dec. 26	49	
Texas management is active in arousing industry interest in politics	Dec. 26	22	National Research Corp. - is exchanging its 50% share of Columbia-National Corp. for \$1 million worth of stock in Columbia-Southern Chemical	Oct. 17	36	Northwestern Glass Co. - principal owner with Smith Brothers Silica Sand Co. of a new mining and milling project for silica sand, the Lane Mountain Silica Co.	Aug. 29	44	
Tidewater has been negotiating with Monsanto about setting up subsidiary - Monsanto and Tidewater are joint owners of sulfuric acid plant at Avon, Calif.	July 18	18	Vacuum-coating equipment research	Aug. 22	63	Norwich Pharmaceutical Co. - approved a two-for-one split of common stock; Eaton Laboratories Division has established a new sales division	Dec. 26	25	
2% stock dividend	Nov. 7	17	Vacuum technology for production of missile fuel	July 18	59	Eaton Laboratories Division developed new drug, Altair	Oct. 3	98	
Univels machinery that turns out sheet-styrene packages	Nov. 21	195	National Research Council - new simplified notation systems approach final screening	July 4	48	U.S. court of appeals has upheld the right of Sterling Drug to manufacture and sell its pink Pepsamar	Dec. 5	94	
Will complete its new acrylic emulsion plant at Addyston, O., within the next two or three weeks	Dec. 19	37	National Research Development Corp. - fuel cell developed by Marshall of Cambridge Electronics under contract from NRDC	Sept. 5	38	Novamont Corp. - affiliate of Montecatini will produce 25 million lbs. of polypropylene in 1961	Dec. 19	19	
Will join Merck as commercial producer of ultrapure silicon - new plant will be erected in St. Charles County, Mo.	Aug. 15-58	Oct. 3-72	Sponsoring the development of a new antibiotic, cephalosporin C	Dec. 26	50	Montecatini subsidiary will operate polyolefin plant to be built at Neal, W.Va., with feedstock from Ashland Oil	July 18	28	
Will move its rubber chemicals development section from Nitro, W. Va., to Akron, O.	Dec. 12	60	National Spectrographic Laboratories - mobile miniature spectrographic laboratory for around-the-clock check of air pollution in chemical plants	Aug. 29	85	Montecatini's U.S. company says its Neal, W.Va., polypropylene plant has been redesigned for a capacity of 25 million lbs./year	Oct. 24	24	
Monsanto Chemicals (Australia) - claims to be Australia's largest polystyrene producer	July 11	27	National Starch and Chemical Corp. - has purchased the stock of American Parboard Corp.	Oct. 17	36	Nuclear-Chicago Corp. - carbon taggers	Aug. 22	67	
Montecatini - Azide Colori Nazionali Affini, a subsidiary will have S-W licensed fluid-bed phthalic unit	July 18	37	Latex resin	Sept. 12	115	Nuclear Data Inc. - new firm will specialize in electronic instrumentation	Aug. 8	76	
Building polypropylene plant at Neal, W.Va.	Dec. 5	18	Latex upgrader, National Resyn 25-2243	Oct. 10	46	Nuclear Measurements Corp. - radioactivity monitor	Sept. 19	76	
Completed financing the polyolefins plant it intends to build at Neal, W.Va.	July 11	27	OCAR ordered a strike vote	July 4	68	Nuclear Metals, Inc. - first successful extrusion of pure chromium metal tubing	Oct. 24	71	
Confirmed that its \$10-million polyolefins plant will be built at Neal, W.Va.	July 4	23	Reading two plant units at its Alexander Research Laboratories in Plainfield, N.J.	Oct. 10	106	Subcontractor for Northrup Aviation will buy for aircraft-quality beryllium extrusion in shapes 20 ft. long	July 18	27	
- letter	July 25	14	Resin Division is offering vinyl acrylic latex	Aug. 15	83	Nuodex Argentina - has been granted a license by Heyden Newport's Nuodex Products Co. for production of its paint driers	Nov. 21	31	
Has a group of representatives in Moscow reportedly negotiating on process licenses	Aug. 22	18	National Steel Corp. - Great Lakes Steel Div.'s Ecorse, Mich. works will get oxygen plant construction by Linde	Aug. 1	24	OPW-Jordan - liquid-level controllers	Aug. 15	54	
Has contract for the world's largest urea plant to be constructed at Neyveli, India	Nov. 14	122	Nation Ultrasonic Corp. - Ultrasonic Cleaning Primer	Oct. 17	54	Temperature, pressure regulator	July 18	48	
Iranian Plan Organization has held up work on the polyvinyl chloride plant at Ahwaz	Aug. 1	24	National Zinc - six U.S. lead and zinc smelters have teamed up in opposition to current U.S. quotas	Sept. 12	99	Oak Ridge Institute of Nuclear Studies - dedicated its first nongovernment-owned facility at Oak Ridge, Tenn.	Nov. 21	160	
New low-priced polypropylene fiber on the market	Sept. 26	35	Nationwide Leasing Co. - midwest regional sales director Josephine Lelder tries to spur equipment company adoption of leasing plans	July 11	53	Oak Ridge National Laboratory - Excer process	July 11	35	
Novamont Corp., a subsidiary, will operate polyolefin plant to be built at Neal, W.Va.	Oct. 24	34	Special pitch to chemical equipment sales engineers	Oct. 3	59	Lithium purification process	Oct. 24	71	
Produced polypropylene fiber	Nov. 14	29	Navin Products, Inc. - created by North American Aviation, is working up commercialization of a new coating	Aug. 22	35	Metalurgy Division has developed a new lithium purification technique	Nov. 21	166	
Sales and earnings	Oct. 17-36	Nov. 28-49	Nederlandsche Dow Maatschappij - new servicing operation to be a subsidiary	Nov. 28	49	O'Brien Corp. - paint from orange peel	Sept. 26	64	
Montevideo S.A. - joint investment with Gerence S.A. for a new chemical plant in Argentina	Oct. 17	36	Nekoosa-Edwards Paper Co. - new machinery in the Nekoosa mill as part of expansion program	Aug. 1	22	O'Brien Industries, Inc. - liquid inhibitor	Oct. 17	53	
Montrose Chemical of California - winner of the DDT top contract with GSA	Dec. 5	82	Neville Chemical Co. - has set up a new jointly owned company with Teunee N.V. called Neville Cindie Chemie N.V.	Dec. 12	45	Ocean Spray Cranberries, Inc. - had cranberries tested for traces of herbicides	Nov. 28	48	
Morgan Guaranty Trust Co. - leased eight floors of its new building to Celanese Corp. of America	Nov. 21	31	Neville Cindie Chemie N.V. - joint venture of Neville Chemical and Teunee N.V.	Dec. 12	45	Oerlikon - Swiss concern sold propellant plant at Asheville, N.C., to Celanese	July 11	17	
Morgantown Ordnance Works - bids for buyer	Nov. 14	119	New Japan Chemical Co. - subsidiary of Asahi Kasei Chemical Co. will produce salt by electrolysis	Aug. 8	66	Oesterreichische Stickstoffwerke AG - three European firms will study feasibility of producing nuclear fuel in Austria	Aug. 15	62	
Momingstar-Paisley - opened a highly automated gum processing plant Hawthorne, N.J., has plans for new gum processing plant in India	Aug. 29	95	New Process Metals - will be called Ronson Metals Corp.	Sept. 26	26	Olin Matheson - AF has received new bids on production of boron fuels	Dec. 5	17	
Mountain Copper - San Francisco Chemical, owned 50-50 by Stauffer and Mountain Copper, is planning defluorinated phosphoric acid at Leefe, Wyo.	July 11	27	New York Air Brake Co. - Aurora Pump Division has redesigned turbine-type pumps	Sept. 26	96	Agreed to a general wage increase	Oct. 31	41	
Multi-Clean Products, Inc. - germicidal cleaner	July 18	66	The Newcastle Chemical Co. - joint venture of ICI of Australia and Broken Hill Pty. Co. plans to double its phthalic capacity for Niagara power users	Aug. 8	25	Antibiotic suit Sept. 26-26, Oct. 3-28	Nov. 28	47	
Mulmahom Plywood - Evergreen Chemical set up by Astoria Plywood and Mulmahom Murphy Corp. - will double capacity of bromine plant, owned jointly with Michigan Chemical, at El Dorado, Ark.	Aug. 15	67	Nielsen, A.C. Co. - Peckham, J.O., gave predictions on aerosols at CSMA meeting	Dec. 19	70	Boron-fuel contract cancellation	July 11-23, Aug. 15-20, Aug. 22-21, Sept. 5-17, 27, Oct. 3-30, Nov. 28-42	Dec. 12	21
NRC Equipment Corp. - portable vacuum systems	Oct. 10	90	Ninol Laboratories - acquired by Stepan in '57	Nov. 28	46	Chemical Division's Niagara Falls, N.Y. facility will install modern electrolytic cells for production of chlorine and caustic soda	Aug. 8	25	
N.V. Bronswek - synthetic-diamond research	Dec. 5	70	Nissan-Ferro Organic Chemical Co. - licensed by Ferro Chemical to produce and sell Ferro's polyvinyl chloride heat and light stabilizers	Nov. 28	49	Expansion program in organic and inorganic chemicals	Aug. 15	20	
Nalco Chemical Co. - diversification and new marketing efforts build record sales	Dec. 26	45	Nitro Industrial Corp. - Monsanto completed real estate negotiations and will take over 700 acres	Oct. 24	64	Expansion at West Monroe, La., to broaden line of packaging products	Oct. 3	31	
Narmco Industries, Inc. - research on new adhesives for missiles, supersonic aircraft, under an AF contract	Oct. 24	71	No Nap Co. - involved in trademark infringement suit with Grove Laboratories	Dec. 26	42	Expansion of chlorine facilities at McIntosh, Ala.	Nov. 7-79	Nov. 21-31	
National Beryllia Corp. - thermocouple-insulator beads	Nov. 7	46	Norac Chemical - sales and earnings	Nov. 7	17	Helped fight fire on Houston Ship Channel	Nov. 21	44	
National Broadcasting Co. - broadcast Grand Union's commercials on "safe berries"	Nov. 28	48	Norolyn Paper Mills - process for turning Southern hardwoods into high-quality newsprint	Oct. 31	74	Modernization to increase chlorine production at Niagara Falls	Sept. 5	31	
National Cash Register Co. - chemical engineers comprise 60% of research staff	July 11	61	Pulp plant to be built at Beuche, La. will be the first mill to produce high-quality newsprint and pulp exclusively from hardwood timber	July 18	28	Morgantown, W.Va., Ordnance Works will be turned back to the federal government	July 4	25	
National Control Laboratories - aerosol insect-barrier spray called "Crawly No More"	Dec. 19	72	Nov-Chem Products - offers fire-resisting paint, called Fire-Pool	July 18	68	Oklahoma's "fair trade" law is unconstitutional	Dec. 5	92	
National Distillers & Chemical Corp. - AFN high-energy-fuels plant may be expanded	Aug. 1	44	Norcross Corp. - viscometer	Aug. 15	54	Picked up full ownership of Almetco, Inc., by purchasing the 50% interest held by Textron, Inc.	Dec. 19	26	
Technical service laboratory in Basel, Switzerland will be set up by U.S.I. Chemicals and operated by U.S.I. International	Dec. 12	45	North American Aviation - Atomic International Div. designed and built reactor used at SNAP II, nuclear power plant	Nov. 28	89	Plans to move 65 researchers from Niagara Falls, N.Y. to New Haven, Conn., to consolidate the Industrial Chemicals Div. research projects	July 25	112	
USI Chemicals is completing polyethylene plant at Houston	July 4	23	Atomic International Division - Stuart Chaucery, discusses problems faced by private nuclear processors at nuclear conference	Nov. 21	163	E.R. Squibb is planning office and warehouse building for Houston, Tex.	Sept. 19	42	
U.S. Industrial Chemical Co.'s Tuscola, Ill., d-bis acid plant will begin	Sept. 19	38	Navan Products, Inc., is working up commercialization of a new coating	Aug. 22	35	E.R. Squibb & Sons offers Rezifilm, a new surgical spray dressing	July 18	68	
National Drug Co. - Vapor sterilization of Swiftwater, Pa., building	Sept. 26	51	Rocketdyne Division has developed a continuous processing technique for faster, safer handling of solid propellants	Nov. 28	90	Squibb - retailers brought the actions against three drug firms	Oct. 31	17	
National Dynamics Corp. - seeking damages in a civil and trust suit against the Assn. of American Battery Manufacturers	Nov. 28	132	Stepped deeper into the solid-fuel rocket engine business with full takeover of Astrodyne Inc.	July 25	33	Squibb's Vesprin for control of psychotic symptoms	Sept. 5	94	
National Gas Liquids Corp. - new petroleum refinery in Orange County, Tex., under an agreement between NGLC and Orange County Navigation and Port District	July 4	25	Will tie in a Recomp computer with a Phillips-developed data scanning and conversion system	Sept. 26	80	Will manufacture synthetic glycerine and epichlorohydrin at Doe Run, Ky.	Aug. 15	75	
National Gypsum Co. - sales and earnings	July 18	17				Will spend \$12 million over the next two years on improving its paper plant and operations at West Monroe, La.	Sept. 19	42	
National Institute of Drycleaning - has charge of drycleaning costumes from the Smithsonian Institution	Aug. 8	47				Omni Products Corp. - will sell plastics extrusion plant equipment to the U.S.S.R.	Sept. 12	18	
National Instruments Co. - metering pump	Nov. 7	46				Onyx Oil & Chemical Co. - anti-static agent	July 18	66	
National Lead Co. - synthetic gem stones	Aug. 15	70				Orkin Exterminating Co. - launched a fight to have Georgia's pest control law declared unconstitutional	July 25	84	

Oronite Chemical - California Industrial Chemical's subsidiary will handle the marketing of Standard's maleic anhydride	Aug. 22	51	construction contractor for Goodrich-Gulf's polyolefins plant near Port Neches, Tex.	Dec. 12-2	1	venture with General Dynamics is making headway	Nov. 21	24
Commercial Development Dept. - reorganization by merger of market and product development into a single, expanded corporate wing	July 18	18	Patelin Chemical Co. Inc. - acrylic resin coatings	Oct. 31	66	Phillips Brothers Chemical Co. - fire and series of blasts destroy tank farm at Portland, Conn.	Aug. 8	23
Hughes, Ted, heads MCA's special international operations group	Dec. 5	25	Patterson-Kelley Co. - heat exchanger help	Sept. 12	62	Phillips (Eindhoven) - synthetic-diamond research	Dec. 5	70
Powell, Fred, will be coordinator and stimulator	Sept. 5	30	Paul-Lewis Laboratories, Inc. - developed process for using hydrogen peroxide as milk sterilant	Nov. 28	90	Phillips Industries, Inc. - privately owned offspring of the Dutch-based N.V. Phillips Gloeilampen Fabrieken may merge with Consolidated Electronics Industries	Oct. 10	37
Reinforced isopolyester resins for plant maintenance and repair	Aug. 8	31	Enzymes producer has purchased property of Schroeder Lumber & Supply Co.	Nov. 7	26	Phillips Carbon Black Italiana - set up by Phillips Petroleum and ANIC to build and operate a carbon black plant	Nov. 21	31
Terephthalic acid on a commercial basis	Aug. 1	52	Organized a new special products division under its expanded research department to broaden the line of enzymes	Oct. 10	106	Phillips Chemical - computer control of ethylene production facilities at Sweeny, Tex. will be onstream soon	Sept. 26	80
Otsu Rubber Co. - Japanese company has produced tires made with vinylon cord	Aug. 8	68	Pawling Rubber Corp. - has licensed Societe des Procédes FIT to produce its patented extruded rubber products	Oct. 17	19	Ethylene expansion at Sweeny, Tex. July 4-23 Sept. 26-19	Nov. 21	44
Oulu Osakeyhtio - the world's northernmost caustic-chlorine plant is located in Finland	Oct. 17	96	Peabody Engineering Corp. - combination burner	Oct. 24	78	Increasing Cis-4 capacity	Dec. 5	22
Ovitrion Corp. - electro-ionic cell simplifies ac. power switching in automated control systems	July 18	40	Pechiney - polystyrene och saran plant to be built near Paris, a 50-50 venture with Dow	Sept. 26	25	Is going commercial on its Cis-4 polybutadiene rubber - production at Borger, Tex., is to rise to 20,000 tons/year	Dec. 19	20
Owens-Corning Fiberglass Corp. - application for modification of court order has been refused	Dec. 12	104	Will set up a 50-50 owned company with Saint-Gobain to market chemical products	Nov. 7	25	Multiple chemical plant under construction at the Philler plant near Borger, Tex.	July 18	59
Planning to construct a Fiber-glass yams plant at Aiken, S.C.	Nov. 21	31	Penick, S.B. & Co. - controlling interest in Dr. LeGear, Inc.	Nov. 14	43	Plans to boost ethylene capacity	Oct. 3	29
Seeks modification of a court order that prevents it from being in a competitive position with other manufacturers	Nov. 28	132	Set up a sales subsidiary in Mexico	Nov. 14	43	Speculation centers on a 50-acre piece near Orange, Tex., for carbon black plant site	Oct. 24	27
Owens-Illinois Glass Co. - International Division is preparing to build plastic-bottle plant at Toronto, Ont.	Dec. 19	26	Pennsalt Chemicals Corp. - expects to complete the first phase of modernization program at Wyandotte, Mich.	Oct. 31	25	Will build a carbon black plant near Orange, Tex.	Nov. 21	31
Will build plastic-bottle plant at North Kansas City, Mo., and expand capacity at St. Charles, Ill., and Glassboro, N.J.	Dec. 19	26	Has not received any major shipments of chemical-grade salt from Solar	Dec. 12	109	Phillips Petroleum - Cis-polybutadiene type of natural rubber will be made at Borger, Tex.	July 18	53
Will open a plant near Toronto, Ont., for the production of high-density polyethylene bottles	Nov. 14	43	Marketing an aluminum etchant	Nov. 21	192	Has taken option on several tracts of land 30 miles from Houston for possible construction of multimillion-dollar carbon black plant	Oct. 10	37
Oxford Chemical Co. - stock offering	Nov. 14	41	New polymer revealed at ACS meeting	Sept. 26	26	Is forming a company, with ANIC, to build and operate a carbon black plant	Nov. 21	31
Oxford Laboratories - Analytical Division will do amino-acid analyses	Sept. 12	48	Proposed plant at Squamish, B.C., to supply chemicals to the West Coast pulp and paper industry	Nov. 14	43	Phillips Chemical, wholly owned subsidiary, is constructing multi-purpose chemical plant near Borger, Tex.	July 18	59
			Sales and earnings	July 18-17	Nov. 7-17	Will produce damage suit	Dec. 5	94
			Will pay extra year's dividend	Dec. 19	26	Will sell its interest in Astrodyne North American Aviation for an undisclosed sum	July 25	33
P.G. Engineering - will build a polystyrene plant for Russia's Technashipport	Dec. 26	25	Pennsylvania Glass Sand Corp. - purchased Florida Co.	Aug. 22	25	Phoenix-Rheinrohr - International Development & Investment Corp., joint venture of Chemical and Industrial Corp. and Phoenix-Rheinrohr owns 50% interest in Ferucas	Dec. 19	26
PMC Industries - high-speed sealer	Oct. 10	50	Pentac - paint plant being built in Central America	Nov. 7	17	Iron ore reduction process - the Wicke process - Developed by Muenster University and Phoenix	Oct. 24	42
Patco Paint - division of Fibreboard Paper Products Corp. helped California town paint itself	Oct. 10	77	Perkin-Elmer Corp. - directors have okayed a two-for-one split of common stock	July 25	35	Pierce and Stevens Chemical Corp. - sales and earnings	Oct. 24	23
Pacific Carbide & Alloys - building the West's first vinyl acetate monomer plant at Portland, Ore. scheduled for completion early in '60	Sept. 19	38	Pemolass, Inc. - will build a plant south of Toledo	Sept. 5	31	Pigment-Chemie GmbH - jointly owned subsidiary of Du Pont and Sachtleben AG will produce titanium pigments	Dec. 26	25
Plans to build vinyl acetate monomer unit	Aug. 1	17	Pemutit Co. - mixed-bed demineralizer	July 18	50	Pinaud, Ed, Inc. - involved in trademark infringement suit	Dec. 26	42
Vinyl acetate monomer plant at Portland, Ore.	Aug. 15	68	Water purifier	July 4	41	Pintsch Bamag - will supply special units for production of a synthesis gas at urea plant in India	Nov. 14	122
Pacific Engineering and Production - Thikol is negotiating a possible merger	July 4	25	Personal Products Corp. - pioneers in setting up practical politics course for management	Aug. 22	44	Pioneer Rubber Co. - custom-made gloves	Nov. 14	50
Pacific Motor Trucking - ICC authorization caused the current litigation	Oct. 31	50	Petrofina S.A. - Amoco Chemicals is setting up Amoco Fina S.A. in conjunction with Petrofina S.A.	Oct. 17	19	Pirelli - brand-new tire concept introduced	Nov. 14	20
Pacific Northwest Alloys - Mead, Wash. alloying furnaces shut down due to the steel strike	Sept. 26	19	Petroleos Mexicanos - has received approval of petrochemical program	Nov. 28	47	Pitman-Moore - antitrust suit against five polio vaccine producers opens in Trenton	Oct. 17-20	Oct. 24-28
Pacific Powder Co. - investigations of explosion at Roseburg, Ore.	Aug. 15	19	Mexican Congress is expected to act on a bill that would reserve a number of petrochemicals for production only by Mexico's petrochemical plants	July 18	28	Judge Philip Foreman overruled a request to strike out testimony on costs	Sept. 19	108
Pacific Vegetable Oil Corp. - stockholders have been asked to approve a two-for-one common stock split	Dec. 12	45	Petroleum and Chemicals Corp. - affiliate of Caltex will be Monsanto's partner in styrene monomer plant in Australia	Sept. 5	29	Refused to deliver vaccine to a doctor who intended to split his handling charge with a municipal customer	Dec. 12	42
Package Containers, Inc. - purchased by Chippewa Plastics Co., div. of The Rexall Drug and Chemical Co.	Dec. 5	26	Petroleum Chemicals, Inc. - will store ethylene in a cavern near Sulphur, La. - a Hackberry, La., site previously under consideration was shelved in favor of the Sulphur location	July 11	27	Will build tissue-culture center at Zionsville, Ind., biological laboratories	Oct. 3	98
Packers' Laboratory - Staley has filed suit against Packers charging trademark infringement and unfair competition	Oct. 10	80	Will supply propylene to Hercules Powder's Lake Charles, La. plant	Oct. 10	37	Pittsburgh Coke & Chemical Co. - expanding its Neville Island sulfuric acid plant	Dec. 12	45
Pak-American Fertilizer Factory - Pakistan will be able to provide only 50,000 tons of ammonium sulfate from its factory at Daudkhel	Oct. 17	95	Petterson Foundry & Machine Co. - mill-reactor	Nov. 21	24	Go-ahead signal for construction of maleic anhydride plant at Neville Island, Pa.	Oct. 24	24
Pakistan Industrial Development Corp. - will be joint owner of a carbon black plant in Pakistan	Nov. 28	46	Plaster Permutit, Inc. - Chemical Sales Dept. is moving ahead to intensify its marketing effort	Sept. 5	68	Maleic anhydride overcapacity expected no hint that Pittsburgh Coke is ready to put off building its unit	Aug. 8	81
Pakistan Petroleum - will be joint owner of carbon black plant in Pakistan	Nov. 28	46	Double-conical blender combines powder drying, blending and sterilizing	July 18	63	Postponed decision to build maleic plant, now says it expects to move "very shortly"	July 25	33
Palmer, Delos M. - glass mold lubricant	Nov. 14	88	Faulder Division sold centrifuge to S.C. Johnson & Son for retreating cambruba wax	Nov. 7	73	Pittsburgh Metallurgical - expansion and modernization project at Niagara Falls, N.Y.	Aug. 15	20
Palmer-Vickers Chemical Co. - Vet-cide has been banned by Florida Dept. of Agriculture	Sept. 19	51	Prizer, Chas. & Co. - antibiotic suit	Oct. 3	60	Pittsburgh Plate Glass - Belgian paint producer, J.G. de Coninck & Fils, will produce Pittsburgh Plate Glass paints and automotive finishes in the Benelux countries	July 25	35
Pan Industries - Pan Dry Fry has received rabbinic endorsement	July 11	93	Country's biggest supplier of citric acid. Defense testimony in antibiotics price-fixing case	Sept. 19	19	Expansion at Lincoln, Ill., plant is under way	Sept. 19	42
Pan-American Petroleum Corp. - gas pipeline eight miles to Shiprock, N.M., helium plant	July 4	27	Developed Miami antidepressant	July 4	46	Hearing before NLRB sought by United Glass Workers to determine eligibility of different unions to represent workers at the Mount Zion, Ill., plant	July 11	78
Pan American Sulphur - aid of earthquake-devastated Mexican Village	Oct. 17	104	Drug prices defended	Oct. 17	35	Largest U.S. producer is building fast Owens-Corning says that Pittsburgh Plate Glass is permitted to make glass-fiber mats and finished panels	Nov. 28	132
Earnings up: liquid sulfur terminal at Tampa, Fla., has gone into operation	Aug. 29	17	Enameling process	Oct. 24	58	Will expand glass-fiber yarn plant at Shelby, N.C.	Oct. 3	31
Earthquake damaged docks at Minatitlan	Sept. 5	29	Expansion of Argentine pharmaceutical plant	Oct. 17	36	Plas-Kem Chemical Corp. - acquired by Dyna-Therm	Aug. 6-17	Nov. 14-41
Panelift Service Corp. - Lorig, Marvin, offers contract maintenance service	Sept. 5	63	FTC antibiotics case: testimony focused on tetracycline patent	Oct. 3	28	Plastichimie, S.A. - Dow's latest overseas facility is a 50-50 venture with Pechiney	Sept. 26	25
Par Industries - pushbutton detergent	Nov. 28	73	Maxipen, synthetically modified penicillin	Oct. 31	60	Plastics Horizons, Inc. - has begun polyethylene extruding unit at Batavia, N.Y.	Sept. 5	88
Paragon Oil Co., Inc. - merged with Texaco, Inc.	Aug. 1	24	Moving researchers into its still unfinished labs in Croton, Conn.	Nov. 7	63	Platt Bros. - bidding in Moscow to supply a complete textile plant	Nov. 28	41
Parke, Davis - antibiotic suit	Nov. 28	47	New testimony at FTC's hearings in New York	Oct. 24	30			
Antitrust suit against five polio vaccine producers opens in Trenton	Oct. 17-20	Oct. 24-28	No. 1 citric acid producer	Dec. 5	36			
Defends its price policies	Nov. 21	30	Pfizer International's John Powers criticizes foreign aid	July 11	31			
Exonerated of vaccine maker in federal court may flavor upcoming drug price hearings	Dec. 12	42	Pharmaceutical sales have ranked from first to last in drug industry	Nov. 14	35			
Four-way vaccine	Aug. 8	78	Sales and earnings	Aug. 1	18			
Justice Dept. want to reverse pricing ruling	Oct. 10	40	Set up a company in Cairo to produce broad-spectrum antibiotics	Oct. 31	25			
Named Darin & Armstrong as general contractor for construction of plant at Holland, Mich.	July 18	28	Uses automation in microbiological testing	Nov. 21	156			
Overseas expansion	Dec. 12	44	Waksman, Selman, discoverer of streptomycin, appeared as a witness at antibiotics hearing	Nov. 14	41			
Pharmaceutical sales have ranked from first to seventh in drug industry	Nov. 14	35	Witnesses stress competitive bidding in FTC hearing	Nov. 21	30			
Parsons, Ralph M. Co. - engineering and			Won permission to put up an antibiotics packaging plant in Egypt	Dec. 12	45			
			Pharmaceuticals Inc. - caught up in the TV quiz probe	Oct. 17	39			
			Phelps-Dodge - copper producer is strikebound	Oct. 24	87			
			Philadelphia & Reading Corp. - Newman, Howard, says the Dynamics leasing should be formed as joint subsidiary	Sept. 26	80			
			Proposed chemicals-from-anthracite					

Plak Corp. — building a West Coast plant to supply that market with plastic bottles and containers	Dec. 12 42	contract suit against Lithium Corp. of America	Sept. 19 29	with Heyden — new company's name: Resinera del Tigre	July 4 25
Eustace, Ohio, scuttled out the '65 outlook on plastic bottles, tubes, shipping containers	Nov. 21 176	LCA is using concentrates shipped from Canada to N.G.	Aug. 15 26	Resins Research Laboratories Inc. — new division plan for its 23 staffers	Aug. 15 35
Makes blow-molded poly liner for J&L's Jalliner container	Nov. 28 93	Lithium suit looms	Sept. 5 29	Resources for the Future, Inc. — making a survey of the entire resource position of the U.S.	Dec. 26 23
Will construct a polyethylene bottle plant at Anaheim, Calif.	Nov. 21 23	Quebec South Shore Steel Corp. — Strategic-Udy plant ready for debut	Dec. 26 34	Resources Research, Inc. — defense consultants in Lakeland, Fla., phosphate air-pollution battle	Oct. 3 89
Will enlarge its plastic bottle molding facilities at Deep River, Conn.	Aug. 22 25	Radiation Engineering Services — offers training programs in nuclear science	July 11 66	Revel — manufacturer of Dr. Seuss's Zoo, bizarre plastic by figures	Sept. 26 42
Plough, Inc. — pharmaceutical producer that diversified into broadcasting, will boost its quarterly dividend rate	Sept. 19 42	Rand Development Corp. — sponsored Machine Searching and Translation conference in Cleveland	Sept. 26 38	Revlon, Inc. — acquired Bressard Hair Products, Inc.	Sept. 26 64
Polymer Corp. — damages resulting from an illegal walkout assessed at hearing	Nov. 28 134	Rayonier — changed the name of its Canadian subsidiary, Alaska Pine & Cellulose Ltd. to Rayonier Canada	Sept. 19 42	Perjury charges threaten executives in TV quiz show fixing	Nov. 14 41
Port Talbot Chemical Co. Ltd. — joint venture of Steel Co. of Wales and the Lincolnshire Chemical Co., will build a plant to refine coke-oven crude benzene	Dec. 19 26	Considering expansion of its paper mill at Grays Harbor, Wash.	Sept. 12 41	Resall Drug & Chemical — acquired Granada Plastics Co.	July 4 17
Porter, H.K. — first fully integrated basic refractories plant in the South completed at Pascagoula, Miss.	Oct. 3 81	Joint owner of Grays Harbor Paper Co. Switching to a new sodium-sulfite pulping process at Hoquiam, Wash.	Nov. 28 49	Chippewa Plastics Co., a division, has purchased Package Containers, Inc.	Dec. 5 26
Potash Co. of America — major supplier of potash for Japan's needs in '65	July 25 98	Rayonier Canada — new name for Alaska Pine & Cellulose Ltd.	Dec. 19 51	Fighting government seizure of its chewing gum	Dec. 19 30
Mining engineers wrestle with problems created by corrosive underground waters in Saskatchewan	Nov. 28 100	Will build a bleached sulfate pulp plant in Woodfibre, B.C.	Sept. 19 42	Injection Molding Co., latest acquisition in the plastics field	Aug. 1 24
Will start production at Saskatoon in Nov.	Aug. 8 82	Raychem Corp. — public offering of new shares	Sept. 26 26	Reynolds Metals Co. — agreed with the Aluminum Workers Union to extend existing labor agreements	Aug. 15 48
Potlatch Forests — will build a mill near Rohwer, Ark., to make paperboard for milk and cigarette cartons	Sept. 19 42	Read Standard — division of Capitol Products Corp. readying two new plate-and-frame filter presses	Aug. 15 27	Aluminum paint fume damage	Aug. 29 108
Powell River Co. — MacMillan & Bloedel and Powell River are planning a merger	July 18 28	Rensor Chemical Corp. — has broken ground for naval stores plant at Wilmington, N.C.	Oct. 31 85	Eight-hour wildcat strike has bitten into operations at Troutdale, Ore.	Sept. 5 18
Pratt & Whitney — connected a modified jet engine to a power turbine at Columbia-Gulf Transmission	Dec. 12 70	Reeves Brothers, Inc. — first commercial production of polypropylene fiber in the U.S.	Oct. 17 36	Enamel-aluminum finish developed by Reynolds and Du Pont	Sept. 19 56
Cost figures for jet engine-gas turbine system	Sept. 19 88	Nylon-neoprene adhesive	Sept. 5 71	PVA film plant at Grottoes, Va.	Oct. 31 53
Gas turbine project with Cooper-Bessemer J-57 jet engine for industrial application.	Sept. 12-55 77	Producer of polypropylene fiber	Sept. 12 112	Startup of PVC and PVA film plant at Grottoes, Va.	Nov. 14 108
Jet fuel engine-tested	Sept. 5 71	Sole producer of textile-oriented polypropylene yarns in the U.S.	Nov. 14 19	Trespassing fluoride	Aug. 15 47
Liquid-hydrogen-fueled power plant for missiles	Sept. 19 87	Refinery Engineering Co. — merger with Vitro Engineering Co.	Sept. 26 35	Will build a silicon plant near Listerhill, Ala.	Dec. 26 18
Research Center — setting the stage for hydrogen power	Dec. 19 76	Regency Plastics Co. — assets to be acquired by Regency Plastics, Inc.	Nov. 28 49	Rhodes, Philip H., and Associates — polyethylene wax	Aug. 8 52
Tested liquid hydrogen-fueled rocket engine	Aug. 15 38	Regency Plastics, Inc. — formed by Cary Chemicals to acquire assets of Regency Plastics Co.	Nov. 14 43	basic proportioning control	Nov. 7 48
Premier Tyre Ltd. — Indian company	Oct. 24 30	Regional Research Laboratory — developed a method of extracting diosgenin from barbasco root	Nov. 14 43	Automatic weighing unit	Sept. 19 76
Premco Pharmaceutical Laboratory — Blackman, Seymour, will detail the problems of the small competitor at drug hearings	Nov. 28 52	Rehels Co. — country's largest supplier of antacid aluminum hydroxide has sold stock on open market	Nov. 21 168	Bulk weighing scale	Oct. 10 92
Premco Mfg. Co. — constructing an automatic system to dispose of cyanide wastes	Nov. 28 120	Reichhold Chemicals — awarded a contract to Badger for engineering and construction of maleic anhydride unit at Elizabeth, N.J.	Aug. 15 81	Richfield Oil — American Chemical, jointly owned by Stauffer and Richfield Oil, is building vinyl chloride project at Watson, Calif.	Sept. 19 38
Prescription Services, Inc. — Canadian prescription insurance plan	July 4 59	Reichhold Chemicals — awarded a contract to Badger for engineering and construction of maleic anhydride unit at Elizabeth, N.J.	Aug. 15 81	Will supply propylene for Dow's proposed polypropylene plant at Torrance, Calif.	Nov. 28 41
Presray Corp. — developed a rubber compound for fabrication of pneumatic seals for nuclear reactors	Nov. 14 88	Buys naphthalene from Kaiser crudes	July 4 25	Rio Tinto AG — three European firms will study feasibility of producing nuclear fuel in Austria	Aug. 15 62
Procter & Gamble — "Big Three" have won another round	Aug. 22 17	Eastern expansions are plagued by effects of the prolonged steel strike	Nov. 28 99	Rio Tinto Co. — purchased Thorium Ltd. with Dow	Nov. 14 43
Buckeye Cellulose Corp. brings benefits to Foley, Fla.	Oct. 31 42	Epoxy resin and polyamide patent	Nov. 14 107	Rio Tinto Dow — firm jointly owned by Dow and Rio Tinto Mining started first Canadian thorium production	Sept. 19 119
Mr. Clean has received rabbinic endorsement	July 11 93	Expansion in the Pacific Northwest	Aug. 8 48	Ritchie, Harold F., Inc. — unfair competition suit dismissed	Sept. 26 104
Promotion of detergents for automatic washers is under attack by FTC	Aug. 8 28	New maleic unit goes onstream in mid '65	Aug. 8 54	Robins, A. H. — will expand its headquarters in early '65	Dec. 12 45
Protesting FDA's proposal to change peanut butter standards	Sept. 19 51	Opened its seventh formaldehyde unit in the U.S.	Aug. 22 52	Rochester & Pittsburgh Coal Co. — Vitro Minerals, a jointly owned subsidiary, has signed uranium contract with Susquehanna-Western	July 25 35
Testing polyethylene containers for liquid detergent	July 18 56	Ordered equipment for a phenolic molding material plant in the East	Oct. 3 29	Rocket Power, Inc. — subsidiary of The Gabriel Co. is putting up facility at Mesa, Ariz., to produce solid propellants	Oct. 10 37
Procter & Gamble Co. of Canada Ltd. — cleared of charges of conducting and advertising a lottery	Aug. 8 60	Plans startup of its previously dismantled formaldehyde unit at Tacoma, Wash.	July 4 25	Rogers Corp. — brims sales meeting time	Nov. 14 112
Productol — uses Koppers' naphthalene	Nov. 28 99	Purchasing Varcum Chemical Corp., with facilities in Niagara Falls and Lindsay, Ont.	Oct. 17 20	Rohm & Haas — estimated plant capacity of acrylic acid and esters	Aug. 1 60
Products Research Corp. — building a business on offbeat specialties	Oct. 10 45	Reichhold Chemie, a subsidiary, is putting up phthalic anhydride plant at Hausen. Reinforcing its global communications network	Aug. 8 17	Experimenting with wild cat controllers	Dec. 12 82
Man-Tan, after shave "sun tan" lotion, contains Protosol	Dec. 5 48	Resin plant slated for Caracas, will be operated by Resinas Venezolanas C.A.	Sept. 19 42	Lethane 384 in combination with malathion achieved a 95-100% kill of mosquitoes	Sept. 19 49
Productos Quimicos — detergent plant at Hermosillo, Sonora, purchased by Pures Corp.	Dec. 5 26	West Coast's first acrylic emulsion unit is in operation at South San Francisco plant	Oct. 17 65	Price of glacial acrylic acid reduced	Oct. 31 56
Progil S.A. — parent company of new concern, Progil-Bayer-Ugine	Aug. 15 27	Will pay 15¢ cash dividends and 2% stock dividends	July 11 27	Sales and earnings	July 25 19
Progil-Bayer-Ugine — new concern is being formed in Paris to produce and sell isocyanates, polyesters and polyethers	Aug. 15 27	Reichhold Chemie — Reichhold Chemicals subsidiary is putting up phthalic anhydride plant at its Hausen resin works	Nov. 7-80 Nov. 14-107	Thermosetting acrylic resins	Aug. 8 48
Protecol Corp. — developer of processes for making wood noncombustible	Oct. 17 59	Reilly Tar & Chemical Corp. — sole U.S. producer of synthetic pyridine	July 11 27	Will pay stockholders special cash dividend and also stock dividend	Nov. 7 17
Prufcoat Laboratories, Inc. — Prufcoat Primatic, a protective coating	Oct. 31 66	Synthetic pyridine made in shortage-easing quantities	Sept. 19 42	Rohm & Haas Co. of Canada — formed a division to handle cross-Canadian sales of acrylic	Dec. 19 26
Pullman Inc. — acquired Swindell-Dressler Corp.	Oct. 10 37	Reliance Electric & Engineering Co. — new line of motors	Oct. 17 43	Rome Kraft Co. — plans to complete a \$27-million container-board plant expansion	Aug. 29 44
Pumpmaker, Fairbanks, Morse — opened a new R&D center at Beloit, Wis.	Oct. 10 111	Republic Chemical Corp. — copper producer relies on readily available scrap copper	Aug. 15 54	Ronson Corp. — New Process Metals, a subsidiary, will be called Ronson Metals Corp.	Sept. 26 26
Puremade Products Inc. — increased its nitrous oxide capacity fourfold	Dec. 12 90	Republic Steel Corp. — dedicated a new research center outside Cleveland	Oct. 24 87	Corp., Ronson has purchased Cerium Metals Corp., signed agreement to use rare-earth facilities of Th. Goldschmidt AG	Sept. 26 26
Purex Corp. — becoming a strong factor in the soap and detergents field	Nov. 28 73	Electronite tubing has gained a strong pioneering reputation among tube purchasers	Sept. 12 48	Ronson Metals Corp. — new name for New Process Metals	Sept. 26 26
Expanding plant at Bristol, Pa., acquired from Manhattan Soap Co., and building new plant at Atlanta, Ga.	Aug. 15 27	New water supply contract with Buffalo City	Aug. 1 33	Ross, F.H., & Co. — chemical distributor's latest expansion step — two new branch offices	Sept. 26 83
Sponsored a detergent plant at Hermosillo, Sonora, from Productos Quimicos	Dec. 5 26	Research Specialties Co. — carbon taggers	Sept. 26 20	Rouse, Max, and Sons — will auction equipment and buildings of surplus chemical warfare plant	Nov. 28 118
Purlan Compressed Gas Corp. — Puremade Products Inc., a subsidiary, has increased its nitrous oxide capacity	Dec. 12 90	Research Triangle Institute — will own the Camille Dreyfus Laboratory	Aug. 1 33	Royal Manufacturing Co. — acquired by Celanese	Dec. 12 42
Pyrometer Co. of America — thermocouple wire	Sept. 19 74	Research Triangle Institute — will own the Camille Dreyfus Laboratory	Aug. 26 20	Royal Netherlands Salt Industry — plans two new acquisitions	July 11 27
Pyron Corp. — purchased site for plant to make hydrogen-reduced iron powder — existing plant is in Niagara Falls on property owned by Hooker Chemical	Nov. 7 26	Resl-Chem Corp. — producer of wet-strength resins has been acquired by Brown Co., paper manufacturer	Sept. 22 67	Rubber & Asbestos Corp. — epoxy adhesive	Dec. 5 48
Quaker Oats Co. — furoral from oats	Sept. 12 41	Resinas Venezolanas C.A. — will operate resin plant at Caracas, RCI will supply the know-how	July 25 112	Ruge, Arthur C., Associates, Inc. — temperature indicator	July 25 106
Quebec Iron & Titanium Corp. — will supply titanium slag to British Titan Products new pigment plant	Dec. 19 26	Resinera del Tigre, S.de R.L.de C.V. — subsidiary formed by Heyden and Resinera Unuap, S.A.	Nov. 14 76	Ruhrchemie Aktiengesellschaft — U.S. patent describes rubber-like properties obtainable from paraffin	Aug. 8 48
Quebec Lithium Corp. — filed breach-of		Resinera Unuap, S.A. — Mexican naval stores producer formed joint subsidiary	Dec. 19 26	Ruhrchemie AG-Lurgi — will supply catalytic synthesis section of Indian oil-from-coal synthesis plant	July 4 44
			July 11 27		
			July 4 25	S.B.A. (Belgium) — will design the Shiraz nitric acid and ammonium nitrate plant	Dec. 12 45
				Sachtleben AG — Pigment-Chemie GmbH,	



new subsidiary, jointly owned by Sachtleben and Du Pont, will produce titanium pigments	Dec. 26	25	Charles Corp. - centrifuge maker will make tests with actual materials before guaranteeing a new application	Dec. 12	74	Priolo, Sicily	Sept. 12	17
St. Etol Corp. - scandium metal in experimental quantities	Nov. 7	66	Shawinigan Resins - doubling of PVA capacity doubling PVA capacity at its Springfield, Mass. plant	Oct. 10	95	Societe Chimiotex - licensor of Zantrol, a "polyvinyl fiber"	Aug. 22	42
Saint-Gobain - will set up a 50-50 owned company with Pechiney to market chemical products	Nov. 7	25	Resin emulsion	Oct. 31	53	Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine - parent company of new concern, Progil-Bayer-Ugine	Aug. 15	27
St. Joe Paper Co. - planning startup of its eighth box plant at Sharonville, O.	Oct. 31	25	Will increase phenol capacity at its East Montreal plant	Sept. 12	112	Societe de Viscose - codeveloper of Zantrol, a "polyvinyl fiber"	Aug. 22	42
Plans construction of a mill for making corrugated paperboard	Nov. 28	49	Shear-Speed Chemical Products - grinding coolant	Oct. 31	24	Societe des Procédes FIT - licensed by Pauling Rubber to produce its patented extruded rubber products	Oct. 17	19
St. Joseph Lead - Inc., Charles, predicts drop in non-ferrous metals consumption	Sept. 19	19	Has developed a coolant	Aug. 15	83	Societe des Usines Chimiques de Rhone-Poulenc - licensee of Japanese polyvinyl alcohol process	Aug. 8	68
St. Paul Ammonia Products, Inc. - stock offering	Nov. 28	49	Soluble cutting oil	Oct. 17	54	Societe Generale de Belgique - Sogemines, Canadian affiliate, plans synthetic nitrogen facility for Mattland, Ont.	July 18	27
St. Regis Paper Co. - acquired Lone Star Bag and Bagging Co. and Wagner Bag Co.	Nov. 21	31	Shell Chemical Co. - acrolein derivatives get new boost as Shell readies big plant, hints at price cut	Nov. 28	77	Societe Internationale Pirelli S.A. - will build Greece's first tire plant with the Ethel Co. of Athens	Oct. 31	25
Expansion program at Tacoma, Wash.	Aug. 1	22	Anticorrosion coating	Nov. 21	192	Societe Nationale Tunisienne de Cellulose - building pulp mill at Kasserine, Tunisia	July 11	40
Holdenby, J.M. highlights pulp by products at industrial waste conference in Chicago	Dec. 19	52	Epon curing agents simplify epoxy application	Oct. 24	71	Societe Swiss-Pharma - three Swiss pharmaceutical makers are setting up shop in Egypt	Aug. 8	25
Modernization of mill at Deferiet, N.Y.	July 11	27	Expanding styrene facilities at Torrance, Calif.	Dec. 12	22	Socoty Mobil - Beaumont, Tex., refinery provides raw materials base for area's chemical boom hopes	Oct. 24	26
Seeks SEC approval to issue new shares to acquire Chemical Packaging	July 4	17	Glycerine from acrolein-hydrogen peroxide unit at Norco, La., should be in operation next year, will shift production from Houston, Tex.	Nov. 7	79	Domestic operations are being combined with three principal wholly owned U.S. affiliates: Magnolia Petroleum, General Petroleum and Mobil Producing	Sept. 12	17
San Francisco Chemical Co. - named 50-50 by Stauffer and Mountain Copper, planning to construct phosphate rock defluorinating unit at Leele, Wyo.	July 11-27	July 18-26	Has begun making its own phenol at Houston, Tex.	Nov. 21	181	New water supply contract with Buffalo	Sept. 26	20
Sandoz Pharmaceutical - new tranquilizer, called Mellanil	July 18	60	May buy ethylene from SunOil	Dec. 12	21	No Socoty polyethylene - letter	Aug. 1	9
Price-fixing suit against Ciba, Geigy, Sandoz and Toms River ended last week	July 18	34	Moving ahead with its plans for polyisoprene at Torrance, Calif. July 4-43, July 11-83	July 18	53	Will buy sulfuric acid from Dixon for at least five years	Nov. 28	99
Three Swiss pharmaceutical makers are setting up shop in Egypt, have formed Societe Swiss-Pharma	Aug. 8	25	Phenol plant at Houston, Tex., is due on stream	Nov. 7	79	Sogemines Ltd. - proposed nitrogen plant will put capacity above anticipated domestic demand	July 18	27
Saran Lined Pipe Co. - automated order-entry system between Dow's Saran Fabrication Dept. and its major customer	Dec. 19	33	Plans to produce polystyrene at Cyanamid's Wallingford, Conn. plant, on a contract deal	Sept. 26-19	Oct. 3-29	Solar Salt - has made no major shipments of chemical-grade salt to Hooker or Pennsalt	Dec. 12	109
Sargent & Lundy - to design and build pressurized water reactor for AEC in California	Sept. 19	87	Polyisoprene plant at Torrance, Calif. is scheduled for completion next year	Dec. 5	22	Sole Chemical Corp. - delermpt base	Aug. 15	84
Saskatchewan Cement Co. - orders for new equipment as part of expansion program	Sept. 5	31	Synthetic glycerine capacity	Aug. 15	76	Sonoco Products - Ross, F.H., to be exclusive national sales agent for glacial acetic acid	Sept. 26	83
Scandia Packaging Machinery Co. - high-speed packaging machine	Dec. 12	92	Synthetic rubber division research lab at Torrance, Calif., is installing a 13-ton, cobalt-60 irradiation unit	Aug. 29	82	Southern Land, Timber and Pulp Corp. - planning to build mill in southwest Georgia	Dec. 19	26
Schaar and Co. - spray-on reagents	Oct. 17	80	Will expand Sheridan cycling plant near Houston, Tex.	Nov. 7	26	Southern Nitrogen Co. - sales and earnings - has trimmed its total capital deficit - common stock to be offered to the public	Aug. 8	23
Schering Corp. - antibiotic griseofulvin price cut coincidental with drug price probe in Washington	Dec. 19	61	Shell Oil Co. of East Africa, Ltd. - British Petroleum and Shell have signed agreement with Kenya for construction of refinery at Mombasa	Sept. 26	26	Southern Oxygen Co. - handles the marketing of Spencer's argon	Aug. 22	59
Brown, Francis, president, will be a witness at the drug hearings	Nov. 28	52	Shell Oil Co. - bidding on a job that will use a cationic asphalt emulsion	Dec. 12	82	Southwest Weather Research, Inc. - cloud-seeding decision	July 25	84
Kefauver committee	Dec. 19	22	Deer Park, Tex., refinery will get hydro-treater unit constructed by the Fluor Corp.	Aug. 29	44	Southwestern Agrochemical Corp. - Southwestern Nitrochemical Corp., jointly owned with First Mississippi will build anhydrous ammonia plant in Chandler, Ariz.	July 25	35
Exorbitant profits stressed at drug hearings	Dec. 12	47	Desulfurization process at the Houston refinery	Sept. 5	42	Southwestern Louisiana Institute - disclosed a process of fusing radioactive wastes with sodium silicate	Dec. 12	78
Letzow, Herman W., advises NRCB to follow the three "R's" of sales control	Oct. 10	102	Possibly a major venture at Riveron, N.J. Will take some of Shell Chemical's phenol production	Nov. 14	20	Southwestern Nitrochemical Corp. - jointly owned by Southwestern Agrochemical Corp. and First Mississippi Corp., will build anhydrous ammonia plant in Chandler, Ariz.	July 25	35
Manufacturer of aluminum hydroxide gels	Aug. 15	82	Shell Oil Co. of Canada - sour gas recovery	Nov. 21	182	Spaulding Fire Co. - started construction of a new laboratory for plastic laminates and vulcanized fiber research	Nov. 7	64
Testifying in Senate's price probe	Dec. 5	31	Sherborn Metallurgical Co. Ltd. - set up by Mathiessen & Hegeler to build and operate a zinc sulfide roasting plant and sulfuric acid plant at Port Maitland, Ont.	Aug. 1	11	Spectra Laboratories Inc. - new firm will specialize in chemical analyses	July 18	74
Schering Company Limited - subsidiary of Schering Corp. scheduled to dedicate pharmaceutical plant in San Diego	Sept. 12	41	Sherrin-Williams Paint Co. - directors recommend stock split	July 11	27	Speedy Chemical Products, Inc. - plans to go public via common stock offerings	Aug. 22	24
Schlumberger well Surveying Corp. - liquid ratio of fines determined by nuclear magnetic resonance analysis	Nov. 21	158	First to try fluidized phthalic anhydride process	Oct. 31	25	Spencer Chemicals - argon production at new recovery unit at Vicksburg, Miss., ammonia plant	Aug. 22	59
Schnleider - French groups have submitted proposals to finance and build synthetic rubber plant for Brazil	Sept. 19	42	Paint plant being built in Central America	July 18	37	Chemical Row buffered	Oct. 24	28
Schradler's Son - aerosol valve	Nov. 14	86	U.S. patent covers treatment of gloss oleoresinous paints	Nov. 7	17	Licensee of Indiana polymerization process	Oct. 10	74
Schroeder Lumber & Supply Co. - sold property to Paul-Lewis Laboratories	Nov. 7	26	Shohn Mfg. - label printer	July 18	68	Plans new building to house its process development department at the firm's research center	Sept. 5	94
Schwartz Co., Inc. - chlorine price-fixing suit settled	Sept. 19	19	Shri Ram Institute for Industrial Research - maleic anhydride from benzene	Aug. 8	52	Polyethylene unit - letter	July 11	13
Schwartz Chemical Co. - metallizing lacquers	Aug. 8	52	Shriver, T. & Co. - carbide filter	July 18	42	Uranium dioxide nuclear fuel plant on stream at Jayhawk Works near Pittsburg, Kans.	Sept. 5	88
Plastic window cleaner	July 11	96	Shulton, Inc. - purchase of Technique, Inc.	Aug. 29	129	Will use a swaging process in the production of fuel elements at AEC's Hanford Works	Dec. 12	78
Schwarz BioResearch, Inc. - new company for biological research	Sept. 19	108	Siegler Corp. - Hufford Division completed new metallurgical laboratory structure	Sept. 26	64	Spraying Systems Co. - rubber spray nozzles	Aug. 8	36
Scientific Design - will build plant in Japan for Manzan Oil	Sept. 19	42	Signal Oil and Gas Co. - reactor lowered from refinery's cracking tower	Oct. 17	80	Sprout, Watson & Co. - pneumatic conveying industry faces problem	Sept. 26	93
Scobell Chemical Co. - strike ends after 2 1/2 years	Dec. 12	102	Simplex, J.R. - Ruby Mining and Chemical Division is hunting trona south and west of Green River, Wyo.	Sept. 19	72	Staley, A.E., Manufacturing Co. - filed suit against Packers' Laboratory charging trademark infringement	Oct. 10	80
Scope, Inc. - trade secrets suit	Aug. 8	60	Simpson Paper Co. - may merge with Lee Paper Co. to form Simpson Lee Paper Co.	Aug. 29	40	Sales and earnings	Dec. 26	24
Scott Paper Co. - expansion at Mobile, Ala.	Aug. 1	22	Simpson Timber Co. - Simpson Paper, a division, may merge with Lee Paper Co.	Aug. 22	25	Will merge with UBS Chemical Corp.	July 4	17
Sealright - working with plastic-coated containers	Aug. 8	92	The Sinclair-Collins Valve - vacuum valves	Nov. 7	46	Standard A.O. - completes plant expansion at Milwaukee for fabricating heavy plate into process equipment	Sept. 19	38
Seamco Chemical - Rexall subsidiary, turns out plastics in the East	July 4	17	Singmaster & Breyer - designed saline-water conversion plant on the island of Anaba	July 11	69	At the West's first maleic anhydride plant at Richmond, Calif., in operation by mid-'60	Sept. 19	38
Searle, G.D. - Argentine government approved expansion outlays	Oct. 3	31	Is handling the engineering of Bzura's new cbric acid plant	Aug. 29	41	American Bitumuls and Asphalt Co., a subsidiary, introduced cationic asphalt emulsions in the U.S.	Dec. 12	82
New type of diuretic, Aldactone	Nov. 7	69	Made suggestions on how best to use Morganlown's processing capabilities	Nov. 14	119	California Research Corp.'s new process "isocacking" turns low-value distillates into premium gasoline	Oct. 24	38
Sales and earnings	Aug. 1	18	Sintec - Du Pont will be partner for production of Telver and Karmex weed killers at Sintec's Cemey, Alsace, facilities	Oct. 17	19	Catalyst check	Nov. 7	76
Seaway Chemical Corp. - has been organized by Jerome Kritchewsky	Nov. 14	43	Sloan-Kettering - Brown, George, returned from inspection tour of Russian anti-biotics research facilities	Oct. 3	97	Isobutane plant on stream at Richmond, Calif.	Aug. 8	71
Security Freehold Petroleum - plans joint crude oil processing, gas-treating and sulfur recovery facilities, with several Canadian firms, in the Innisfail oil field, near Calgary, Alta.	Nov. 21	31	Smith, A.O. - completes plant expansion at Milwaukee for fabricating heavy plate into process equipment	Oct. 10	90	Oronite Chemical, a subsidiary, will merge market research	July 18	18
Selberling Rubber Co. - wage contract	Sept. 26	104	Dome-top fermenter	July 18	45	Powder, Fred, new president of California Chemical	Sept. 5	30
Sel-Rex Corp. - applied for a patent on a process for plating thick layers of platinum on various base metals	Dec. 12	67	Smith, Barney & Co. - defendant in the Bayer trademark suit	Oct. 10	92	Reinforced isopolyester resins for plant maintenance and repair	Aug. 8	31
Purchased Meaker Co.	Dec. 26	25	Smith, T.L., Co. - turbine mixer	Oct. 24	30	Started construction of its maleic unit at		
Semi-Elements, Inc. - crystal bank	Sept. 19	108	Smith Brothers Silica Sand Co. - principal owner with Northwestern Glass of the Lane Mountain Silica Co.	Oct. 10	92			
Garnet crystals	Aug. 1	49	Snell, Foster D. - evaluation of new tall oil-derived fatty acid for floor polishes presented at CSMA meeting	Aug. 29	44			
Sequia Metallcraft Co., Inc. - capital stock purchased by Dow Chemical	Nov. 28	49	Tested cranberries for traces of herbicidal contamination	Dec. 19	70			
Shamrock Oil & Gas Corp. - adding catalytic cracking unit to its McKee refinery at Sunray, Tex.	Aug. 1	24	Snia Viscosa - four joint ventures with U.S. firms	Nov. 28	48			
Reactor from Signal Oil had to be lowered from cracking tower and loaded on trailer for shipping to Sunray, Tex.	Sept. 19	72	Societa Edison - Union Carbide and Edison to double capacity of their 50-50-owned Celene polyethylene plant abiding at	Dec. 5	18			
Shanco Plastics & Chemicals Inc. - offering a resin for all-purpose cements	Nov. 21	192						
Polyurethane mold release	Aug. 8	48						

Richmond, Calif.	Dec. 26	18	Reports its new Toximal R and Toximal S emulsify all types of pesticides	Nov. 21	192	Thacker, Carlisle, new technical director	Dec. 19	66
Will put up the West Coast's first maleic anhydride plant	Aug. 22-17	51	Started construction of administration and research center	Aug. 8	78	Taylor, Harry A., Co. - selling agent for Morgantown Ordnance Works	Nov. 14	119
Standard Oil Co. of Indiana - OCAW members sentenced to jail terms for contempt of court at Sugar Creek, Ind.	Nov. 7	58	Sterling Drug Inc. - files suit to block alleged trademark infringement	Oct. 24	30	Tec Chemical Corp. - purchased by Reheis with two subsidiaries	Aug. 15	82
Polymerization process for polyethylene will be used by Furukawa Chemical Industries	Oct. 10	74	U.S. court of appeals has upheld the right of Sterling to manufacture and sell its pink Pepsamar	Dec. 5	92	Techmashimport - placed three big orders for equipment in England and Scotland	Dec. 26	25
Polystyrene process developed	July 18	18	Sterling Electric Motors - offers a new motor	Aug. 15	54	Technical Fabricators - filter-fabric cements	Aug. 15	84
Union merger suit, countersuit	Aug. 29	110	Sterno Corp. - Colgate has made arrangements to acquire maker of canned heat	July 11	96	Technical Operations, Inc. - completed a new physics and radiation research laboratory	Nov. 28	86
Standard Oil Co. of New Jersey - domestic operations in Japan and its 98.27% owned Humble Oil consolidated	Sept. 12	17	Stokes, F.J., Corp. - vacuum-coating research pays off - better equipment for wider application	Aug. 22	63	Techcon Instruments Corp. - automatic flame photometer	Nov. 7	66
Esso Export Corp., overseas marketing arm, has set up a chemicals department to handle foreign affiliates	Oct. 10	37	Vacuum furnace	Aug. 15	54	Pesticide residue on crops determined by automatic analysis system	Nov. 21	158
Puts plant management on TV to analyze labor relations	Oct. 19	24	Slow Mfg. Co. - space heater	Sept. 19	76	Tecnic, Inc. - purchased by Shulton, Inc.	Sept. 26	64
Standard Pressed Steel Co. - Stokes sold first units for vacuum-coating cadmium and aluminum on steel	Aug. 22	63	Strategic Materials Co. - will design and construct Quesco's Strategic-Udy plant	Dec. 26	36	Teenie N.V. - has set up a new jointly owned company with Neville Chemical called Neville Cindu Chemie N.V.	Dec. 12	45
Standard Steel - putting up plant in Poland to convert codfish waste into high-protein meal and oil	July 11	27	Strobel-Koppers and Electroblek	Dec. 26	34	Teikoku Rayon and its affiliate, Kunishima Chemical	Oct. 3	31
Standard Vacuum - filed a proposal with the Malaysian government for construction of a fertilizer plant	Dec. 5	26	Strong Cobb Amer, Inc. - contemplating construction or purchase of modern plant to replace Cleveland and Buffalo plants	Dec. 19	26	Teikoku Rayon - formed new joint venture, Teikoku Chemical, with its affiliate, Kunishima Chemical	Oct. 3	31
\$30 million investment program in Asia will include oil refinery and fertilizer plant	Dec. 19	24	Studebaker-Packard - automobile finishes	Oct. 3	84	Licensee of Henkel process	July 11	70
Stanford Research Institute - explosive-forming research	Aug. 8	76	Stuker, Frank W., & Associates - mechanical	Sept. 12	64	Will make polyester-type fiber from TPA	Aug. 1	52
High-temperature symposium highlights progress in rare metals, refractories, processes	Oct. 10-53	Oct. 17-73	Sturtevant Mill Co. - new units for fine grinding	July 11	58	Tennessee Corp. - directors recommended stock split	Aug. 1	24
Star Stainless Screw Co. - titanium hardware	Oct. 10	92	Sugar Research Foundation Inc. - sugar-based surface-active agents patent	July 11	70	Reports its copper and copper chemicals production is running full tilt	Oct. 24	87
Stauffer Chemical - aluminum sulfate plant at Vemon, Calif., will be completed later this year	Aug. 29-18	Oct. 17-95	Sul Carbon Co. - will construct carbon black plant	Nov. 28	46	Tennessee Eastman - aniline operation at Kingsport, Tenn.	Sept. 26	68
American Chemical, jointly owned by Stauffer and Richfield Oil, is building vinyl chloride plant at Watson, Calif.	Sept. 19	38	Sullivan Plastics - epiphen epoxy coatings for low-temperature application	July 18	59	Licensee of Indiana polymerization process, also has ICI license	Oct. 10	74
Arnold, Chester, vice-president of research comments on patents	July 25	110	Sumitomo - Japan Upjohn Ltd. set up by Sumitomo and Upjohn to make pharmaceuticals in Japan	Aug. 8	25	Plan for hydrogen plant at Kingsport, Tenn., throws more light on the production of Kodel fiber	July 11	69
Building a plant at Richmond, Calif., to double agricultural chemicals production capacity	Nov. 28	49	Sun Chemical - General Printing Ink Co., a division, is building plant in Cincinnati	Aug. 29	44	Tennessee Products and Chemical Corp. - cutback in production of ferroalloys as result of steel strike	Oct. 3	31
Building carbon bisulfide plant at Delaware City	Nov. 21	24	Purchased Facile Corp.	Dec. 5	26	Laid off 125 employees in ferroalloys plants because its steel company customers are not operating	Aug. 8	17
Consolidated Chemical Division has six aluminum sulfate plants, and another under construction	Dec. 5	86	Warwick Wax Div. will be merged and financed by Western Petrochemical	Aug. 1	63	Tesco Chemicals Inc. - will lease a building in Edwards, Miss., to produce chemicals for water purification	July 25	35
Dividend declared	Nov. 14	42	Will produce propylene for AviSun at Marcus Hook, Pa., refinery	Aug. 15	64	Tetra-Pak - unique carton	Aug. 8	92
Drilling and sampling for brine in Sweetwater County, Wyo.	Aug. 29	40	Sun Shipbuilding & Dry Dock Co. - big column for Sun's propylene	Aug. 1	23	Texaco - engine test on new jet fuel	Sept. 19	87
Ethyl filed court suit, asked the court to declare that Ethyl and its alkyl customers are not infringing patents	Oct. 17-20	Nov. 7-23	Propylene facility at Marcus Hook, Pa.	Aug. 15	64	Executive offices of Texas-U.S. Chemical Co., jointly owned by Texaco and U.S. Rubber, are in Port Neches, Tex.	Nov. 7	64
Formed a joint company, Kali-Chemie-Stauffer GmbH, with Kali-Chemie A.G. Ground will be broken for new research center, the John Stauffer chemistry building, at Stanford University	Sept. 19	108	Sunol, Inc. - heated rubber pipe	Aug. 15	54	Merged with Paragon Oil Co.	Aug. 1	24
Has been testing a new thiol-derived pesticide for a year - will boost thiol production by about 50% at Henderson, Nev.	Aug. 29	86	SunOil Chemical - expects to have its area plant in the Delaware Valley in operation early next year	Nov. 14	20	Merger negotiations with The Superior Oil Co. have terminated	Oct. 10	37
Industrias Quimicas, 36% owned by Stauffer, will be Mexico's first citric acid fermentation plant	Aug. 15	27	Will expand its North Clayton, Del., facilities to include production of ethylene	Dec. 12	21	Solved the Kirkpatrick Award for Chemical Engineering Achievement	Dec. 12	41
Mass Chemical Div. - chlorinated trisodium phosphate plant onstream at Richmond, Calif.	Dec. 12	110	Superior Oil - Texaco and Superior have agreed on a proposal for merging	July 4	25	Relevant dewaxing process	Aug. 8	63
Merger of Stauffer and Victor appears set	July 18-26	Aug. 29-42	Superior Separator - ranks fourth in making pneumatic conveying systems	Oct. 10	37	Superior Oil and Texaco have agreed on a proposal for merging	July 4	25
Merger with Victor Chemical consummated	Nov. 7	24	Susquehanna-Western - signed uranium ore purchase contract with Vibro	Sept. 26	93	Texaco Exploration Co. - holds petroleum rights at Wizard Lake	Dec. 12	76
Modernization of chlorine facilities at Niagara Falls, N.Y.	Nov. 7	80	Subsidiary of Susquehanna Corp. and Columbia-Southern are reported negotiating with AEC for construction of uranium mill near Alice, Tex.	July 19-78	July 25-35	Texas Alkyls - made defendant by Ethyl in complaint filed against Hercules concerning alkyls patent infringement	Oct. 17-20	Nov. 7-23
Perry, O., plant jointly run by California Spray Chemical and Stauffer will use Standard's maleic	Aug. 22	51	Swindell-Dressler Corp. - CPI equipment builder has been acquired by Pullman Inc.	Oct. 10	37	Reports full-scale production of aluminum alkyls	Dec. 12	22
Purchased General Foam Products	Dec. 12	22	Switzer Brothers, Inc. - received Canadian pigment patent	Oct. 3	56	Texas Butadiene and Chemical - Cosden licensed process for polybutene	Aug. 1-52	Aug. 8-82
San Francisco Chemical, owned 50-50 by Stauffer and Mountain Copper, is planning defluorinated phosphate unit at Leefe, Wyo.	July 11	27	Swohoda, H. - sold a lot of horseshide leather purchased by William Amer Co.	Sept. 19	56	New propylene facility onstream	Aug. 8	82
Stockholders will vote on proposed merger with Victor	Oct. 17	36	Sylvania-Coming Nuclear Corp. - Edwards, Garth, said that AEC holds the key to the economic development of commercial fuel-processing operations	Nov. 21	163	Kodak has stepped up polypropylene production	Oct. 3	29
Strike at Louisville, Ky., plant forced supervisors to operate the plant	Dec. 5	97	Sylvania Electric Products - Chemical and Metallurgical Division manufacture phosphor lamps for dashboards, called Panelux lamps	Sept. 12	78	Polypropylene project at Longview, Tex., to be completed by mid-'60	Dec. 19	19
Strike by three unions at hydrochloric acid plant near Louisville, Ky., has ended with new contracts	Dec. 19	46	Equipping plant at Manchester, N.H., to meet increase of transistor use; expansion of production of refractory metals	Oct. 24	90	Started commercial production of polypropylene at Longview, Tex.	Oct. 3	81
Sulfate plant construction at Vemon, Calif.	Sept. 19	40	Expanding chemical research	Aug. 22	52	Texas Alkyl Sulphur - layoff of more than 100 workers at Texas operations	July 25	98
Texas Alkyls, a subsidiary, reports full-scale production of aluminum alkyls	Dec. 12	22	Subsidiary of General Telephone & Electronics Corp. is out with a new electronic-grade potassium silicate	July 11	64	Rumors that TGS is negotiating with the Iraq Development Board to prospect and develop sulfur deposits are untrue	Aug. 1-18	Oct. 24-24
Thiol synthesis key to expanded production of Trithion pesticides at Henderson, Nev.	Sept. 5	37	Synco-Mist Controls, Inc. - developed automatic insecticide spray-dispenser	Nov. 7	64	To share in the lithium market?	Oct. 3	24
Victor's electric furnace project would endow Stauffer with a larger potential in elemental phosphorus, if merger goes through	Sept. 5	17	Syntex Corp. - joint steroid research venture with Lilly	Sept. 26	25	Texas Instruments Inc. - Australian silicon purification patent application	Sept. 5	42
Victor merger: formula for a blend	Dec. 12	94	Syntex, S.A. - Mexican-based basic production unit of Syntex Inc. is getting ready for ethical drug market	July 25	34	Texas International Sulphur - annual meeting in Houston, Tex., elects management	Aug. 29	17
Will start construction of a research center at Richmond, Calif.	Nov. 28	86	Syntex Research Laboratories - oral progesterones	July 25	112	TIS has stockpiled sulfur at its Mexican mines and expects to make first shipments in October, when canal to the Gulf is completed	Aug. 29	17
Stauffer-Temescal - ultrahigh-temperature metals for missiles developed by Stauffer and Aerojet	Aug. 29	85	Taiwan Fertilizer Co. - filed suit over performance of fertilizer plant on Formosa	Nov. 14	42	Erroneous story that Mexican government had canceled sulfur concessions	July 18	18
Steel City Electric Co. - stock acquired by American-Marietta Co.	Nov. 28	49	Takeda Pharmaceutical Industries, Ltd. - manufactures orotic acid	Nov. 21	160	Stockholders will try to hold annual meeting - two conflicts are simmering	Aug. 15	24
Steel Co. of Wales - Port Talbot Chemical Co., a joint venture of Steel Co. of Wales and the Lincolnshire Chemical Co., will build a plant to refine coke-oven crude benzene	Dec. 19	26	Tanatex Chemical Corp. - chelating agent	Oct. 10	50	Texas-U.S. Chemical Corp. - will build R&D laboratory for polymer and petrochemical studies in Parsippany, N.J. - executive offices are in Port Neches, Tex.	Nov. 7	64
Stein, Hall & Co. - gum processing plant will be opened in Charleston, N.C.	Aug. 29	95	Taylor Fibre Co. - has organized advanced materials division	Oct. 17	80	Texite Chemicals, Inc. - acquires the capital stock of Industrial Products, Inc.	Dec. 26	25
Stapan Chemical - Kritchevsky, Jerome, former vice-president and export manager has organized Seaway Chemical Corp.	Nov. 14	43	Research facilities more than tripled; three-story research center added to Betzwood plant, near Norristown, Pa.	Sept. 19	108	Growing up fast down South	Nov. 28	66
						Textron, Inc. - Olin Mathieson has picked up full ownership of Almetco, Inc., by purchasing the 50% interest held by Textron	Dec. 19	26
						Thatcher Glass Manufacturing Co. - ground broken in Tampa, Fla., for glass container plant	Sept. 19	42
						Theatre Network Television, Inc. - directed and produced General Mills stockholders meeting on television	Nov. 14	92
						Thermal Dynamic Products - division of the Waltham Precision Instrument Co. offers solar furnace in kit form	Nov. 7	66
						Thiokol Chemical - negotiating a possible merger with Pacific Engineering and Production	July 4	25

Reaction Motors Division has produced a liquid-fuel, variable-thrust engine.	Dec. 19 51	Salem merchant for selling Prestone antifreeze at cut rates.	Dec. 19 48	Will appeal jury award of \$4.5 million to vanadium ore miners.	Dec. 26 23
Reaction Motors Division is in pilot production of prepackaged Guardian I and II liquid rocket engines.		Added 174.6 acres to the 400-acre tract on the Kanawha River.	July 4 23	Will build a plastics customer service laboratory in Geneva.	Dec. 12 60
Solid rocket fuel development improved at Longhorn Ordnance Works.	Sept. 26 79	Chemicals' big technical center opened at South Charleston, W.Va.	Oct. 24 72	Union Carbide Europa - will operate customer service laboratory in Switzerland.	Oct. 31 25
Urethane foaming resin.	Sept. 19 54	Chemical Co. has completed facilities for the production of acetone and other oxygenated chemicals at its Institute, W. Va. plant.		Will supervise plastics customer service laboratory in Geneva.	Dec. 12 60
Working on nonchemical power sources.	Sept. 26 79	Chemicals Co. has developed nonionic surfactant.	Oct. 31 56	Union Oil Co. - Wilmington, Calif., refinery's storage tank dons Halloween mask.	Nov. 7 46
price-fixing suit settled.	Sept. 19 29	Chemicals Co. has sponsored the Mellon's Chemical Hygiene Fellowship since '37.	Dec. 5 48	Union Oil Co. of California - developed a new refining process called Unicracking.	Nov. 21 172
Geographic price discrimination on sales of laundry bleach is charged by FTC.	July 18 33	Chemicals Co. introduced two new gasoline additives.	Oct. 3 103	Union Starck Co. - OCAW ordered a strike vote.	July 4 68
No merger planned - letter.	July 25 34	Chemicals Co. obtained option to buy rayon plant at Roanoke, Va.; fiber decision due.	July 18 74	United Aircraft Corp. - Hamilton Standard Division manufactures miniature cooler.	Sept. 19 84
Thompson Ramo Wooldridge - buying controlling interest of Magna Products.	Aug. 8 17	Chemical Division - plans host to leading science and engineering professors at dedication of big new technical center.	July 25 33	United Gye and Chemical Corp. - now known as Chemol Industries - stock swindle case.	Sept. 5 98
Developed turbo-generator used at SNAP II, nuclear power plant.	Nov. 28 89	Chemicals Co.'s record system at S. Charleston, W.Va., cuts paper work needed for equipment maintenance.	Oct. 31 23	United Electric Controls Co. - temperature, pressure regulator.	July 18 48
Du Pont's agreement to carry out studies on columbium alloys.	Aug. 8 64	Chemicals Co. reports that it has given more attention to acrolein derivatives than anyone else.	Sept. 19 59	United Shoe Machinery Corp. - adhesive applicator.	Sept. 19 54
Thorium Ltd. - purchased by Dow and Rio Tinto.	Nov. 14 43	Chemical Co. - some hints on plans for new plants were given by E.E. Fogle, president.	Nov. 28 78	U.S. Borax and Chemical Corp. - British parent, Borax Holdings Ltd., has expanded its Argentine operations.	Oct. 3 31
Thomley Engineering - Traccon Leasing Division will put aluminum alloy containers for freight shipments on trial run.	Dec. 26 60	Chemicals switched from ketene-crotonaldehyde route to the oxidation-of-hexadecenal process to make sorbic acid.	Oct. 31 59	Reorganizes along functional line.	Sept. 19 92
Tidewater Oil - blueprinting worldwide petrochemical program headed by H.Y. Hyde in L.A.; expansions probably at Avon, Calif., and Delaware City, near Wilmington.	July 18 17	Chemicals Co. will commercialize two new plasticizers.	Dec. 5 40	United States Glass and Chemical Corp. - plans construction of barite mill near Dierks, Ark.	Oct. 3 31
Building gasoline plant in the Hollywood Houma Fields area, La.	Nov. 7 26	Completed plans for additional 170 million lbs./year of high-pressure polyethylene resin capacity at two Texas plants.	July 25 94	U.S. Gypsum - plans to invest \$5 million to develop gypsum deposit in Mexico.	Sept. 5 31
Forming Danish subsidiary, Dansk Veedol, to build refinery at Kalundborg.	Sept. 19 20	Decides against moving offices to White Plains.	Oct. 3 29	U.S. Hoffman Machinery Corp. - material intake valves.	Aug. 15 54
Gas cleanup at New Hope Smackover Field, Tex.	July 11 38	Depreciation-expansion problems.	Oct. 31 41	U.S. Industrial Chemicals Co. - plans another boost in polyethylene output.	Oct. 17 36
Will build and operate natural gas cycling and desulfurization plant in Franklin County, Tex.	July 18 18	Estimated plant capacity of acrylic acid and esters.	July 25 31	U.S. Polymeric Chemicals - common stock marketed.	Aug. 8 25
Will buy sulfuric acid from Dixon for at least five years.	Nov. 28 99	Low-density polyethylene plant onstream at Whiting, Ind.	Aug. 1 60	U.S. Potash Co. - Albright, Horace, former president, is head of RFF.	Dec. 26 23
Time, Inc. - initial outlay of C.Z. St. Francisville plant consigned to Time.	Dec. 5 82	Metals Co. and AEC will split cost of fundamental research of metallic solid solutions.	Sept. 5 88	U.S. Rubber - executive offices of Texas-U.S. Chemical, jointly owned by Texaco and U.S. Rubber, are in Port Neches, Tex.	Nov. 7 64
Tishman Equipment Leasing - Tishman Realty sets up new equipment leasing subsidiary.	Oct. 3 59	Metals Co. and OCAW agree at Marietta, O., but at Portland, Ore., plant was shut down.	Aug. 29 82	Naugatuck Chemical Div. and its distributors rally against attacks by foes of MH-30.	Aug. 8 23
Tishman Realty & Construction Co., Inc. - has set up a new wholly owned subsidiary, Tishman Realty & Const. Corp.	Nov. 28 84	Metals Co.'s new contracts favorable to management.	Sept. 12 97	Naugatuck Chemical Div. has developed a tire cracking inhibitor.	Aug. 8 52
Tishman Equipment Leasing, new subsidiary, eyes CPI trend toward leased plants.	Oct. 3 59	Metals Co. reports sales increase of vanadium.	Dec. 19 43	Naugatuck Chemical Div. plans large-scale production of an antioxidant-antioxidant chemical, Flexzone.	Nov. 14 20
Tishman Research Corp. - subsidiary of Tishman Realty & Construction to research and development in building materials.	Nov. 28 86	Metals Co. supplied Nuclear Metals with chromium for extrusion of tubing.	Dec. 19 38	Naugatuck Chemical - vinyl resin capacity is being increased at the Painesville, O., plant.	Dec. 26 75
Titan Corp. - centrifuge as a wax refining process tool.	Oct. 3 60	Metals Co. will forward carbide to Woodstock, where Union Carbide Olefin will use it to generate the acetylene that will be piped to Du Pont's acrylonitrile plant.	Oct. 24 71	Naugatuck Chemical Division will expand polyvinyl chloride capacity 30% - plans disclosed at 10th anniversary of the acquisition of the former Glenn L. Martin Chemical Division facilities.	Dec. 19 19
Titanium Metals Corp. - carrying out laboratory tests with platinized-titanium anodes.	Dec. 12 67	National Carbon's plant at Clarksburg, W. Va. - new wage contract for employees.	Oct. 17 35	Settlement.	Sept. 19 100
Tums out recycled magnesium at Henderson, Nev.	Sept. 12 99	Nuclear Co. has contracted for the construction of a reactor building in Sterling Forest, near Tuxedo, N.Y.	July 11 18	Shell Isoprene Rubber used in the manufacture of truck tires.	July 18 53
Toledo Scale Corp. - weight control.	Aug. 29 129	Nuclear Co. offered wage increase to atomic energy plant workers at Paducah, Ky.	Aug. 22 25	Vila, George, tells AMA that plastics output won't reach the 6 billion lbs. until next year.	Oct. 10 95
Toms River-Cincinnati Chemical Corp. - price-fixing suit against Ciba, Gely Chemical, Sandoz and Toms River ended last week.	July 18 34	Nuclear Co. will forward carbide to a refining plant at Bishop, Calif.	Sept. 12 48	Vynene, urethane-based elastic fiber, will be commercialized soon.	Nov. 7-9 Nov. 14-73
Tool-Lab, Inc. - acquired by Beckman Instruments.	Dec. 12 44	Olefins Co. starting up a highly automated lumber mill at Sanderson, W. Va.	Aug. 22 17	U.S. Steel - Columbia-Geneva Steel will build a raw-materials research laboratory near Provo, Utah.	Nov. 28 86
Tousey Vanish Co. - released all outstanding stock of A.H. Climo Co.	Dec. 19 26	Olefins Co. will make acetylene for Du Pont from calcium carbide shipped from Sheffield, Ala.	July 4 23	Increasing its coal-chemicals capacity at the Pittsburgh and Fairfield, Ala. works.	Dec. 26 18
Toyo Chemical Industry Co. - explosion at explosives plant in Yokohama kills three.	Dec. 5 24	Phillips is supplying ethylene to Seadrift plant.	Sept. 12 115	National Tube Div. as a welded-tube supplier.	Aug. 1 33
Toyo Rayon - will make polyester-type fiber from TPA.	Aug. 1 52	Plastics Co.'s latest entries are two dust-repellent polyethylene formulations.	Oct. 31 70	Tennessee Coal & Iron Division will get oxygen from Air Reduction Sales new air-separation plant at Fairfield, Ala.	Nov. 21 31
Tracer-Lab, Inc. - AEC contract for isotope development.	Aug. 15 32	Plastics Co. - vinyl resin sales for coatings will be up 30% in '59, according to H.W. Greenwood.	Aug. 29 82	U.S. Stoneware Co. - dedicated new R&D center at Stow, O.	Oct. 17 80
Offering a new steroid tracer, acetic anhydride.	Dec. 12 62	Research Institute building at Eastview, near Tarrytown, N.Y., is scheduled for completion by late '60.	Oct. 3 71	U.S. Vitamin and Pharmaceutical Corp. - sales and earnings.	Oct. 24 23
Radiochemical Dept. offers tracer compounds and radioactive chlorates.	Aug. 1 49	Revealed it will build bisphenol-A plant at Marietta, O.	July 25 19	Universal Oil Products Co. - hydrogen treating.	Aug. 15 62
Transcon, Inc. - thermometer.	Nov. 7 48	Revamping its Brownsville plant.	Dec. 12 42	Isobutane process boosted by platinum-containing catalyst.	Aug. 8 77
Transport & Engineering Co. (TRENCO) - expanding its rubber and tire plant at Smouha, Egypt.	Aug. 22 25	Sales and earnings.	Aug. 22 25	Merox, new sulfur removal method.	Nov. 7 77
Tremco Manufacturing Co. - opened research center and office building in Cleveland.	July 11 96	Secures court injunction to prevent a Winston-Salem merchant from selling Prestone anti-freeze at less than fair-trade prices.	Oct. 31 25	Will license synthetic naphthalene as Hydeal.	Nov. 21 171
Treplo Products, Inc. - building a plant near West Paterson, N.J., to triple capacity of organic intermediates.	July 18 28	Seeking location for its yet-undisclosed synthetic fiber project.	Sept. 12 17	Universal Winding Co. - Patterson-Moos Division has licensed fuel cell from NRDC.	Sept. 5 38
Tropicana Products - aerosol orange drink.	Sept. 26 62	Setting up a customer service laboratory in Switzerland.	Dec. 5 18	Upjohn - antibiotic suit Sept. 26-Oct. 3-28.	Nov. 28 47
Truesdell Laboratories, Inc. - favors fringe benefit plans.	Aug. 15 35	Societa Edison and Carbide to double capacity of their 50-50-owned Celene polyethylene plant at Priolo, Sicily.	Nov. 28 41	Defending Ohio's new 'fair trade' law.	Oct. 24 67
Turbocraft, Inc. - offers a new series of transfer pumps for petrochemical and cryogenic materials.	Sept. 26 96	Steel settlements at Ashtabula, O., Portland, Ore., and Sheffield, Ala.	Dec. 26 22	Japan Upjohn Ltd. set up by Upjohn and Sumitomo to make pharmaceuticals in Japan.	Aug. 8 25
Turco Products - developed a multi-purpose liquid cleaner, Turco Plaudit.	Nov. 28 73	Texas City installation will receive propylene from Humble Oil.	Sept. 19 42	Kefauver's drug-profit probe.	Dec. 19 22
North American licensed a chemical milling process.	Aug. 22 35	Texas management is active in arousing industry interest in politics.	Aug. 8 18	Medicaid anti-arbitrage.	July 18 74
Phosphating compound.	Oct. 10 50	Union Carbide Consumer Products Co., a new division, will handle sales of batteries, anti-freeze, automotive specialty products and garden chemicals.	Nov. 28 132	New fermentation R&D facility near Kalamazoo, Mich.	Nov. 7 63
UBS Chemical - sales and earnings.	Dec. 26 24	Visking Co. will build polyethylene film plant southeast of Montreal.		Oklahoma's 'fair trade' law is unconstitutional.	Dec. 5 92
Will merge with A.E. Staley Mfg.	July 4 17	Wilker, Tom, led a panel discussion on "Management in Politics".		Retailers brought the actions against three drug firms.	Oct. 31 17
Uhde, Friedrich - Uhde mercury cells.	Oct. 17 96			Sells bulk prednisolone to Schering.	Dec. 12 47
Unexcelled Chemical Corp. - acquired Aylward Chemical, producer of liquid fertilizers.	July 18 28			Testifying in Senate's price probe.	Dec. 5 31
Stockholders will vote on proposal for merger with P.R. Williams.	Nov. 7 26			Three of the most potent synthetic	
Unilever - setting up new subsidiary in Casablanca Unilever Maroc.	Aug. 15 27				
Union Bag-Camp Paper Corp. - Savannah, Ga., will be the largest pulp and paper plant in the world with installation of a seventh papermaking machine.	Nov. 28 123				
Union Carbide - action against a Winston-					



hormones yet discovered	July	4	43	Vitro Minerals - Gas Hill, Wyo. mines will deliver uranium concentrate to			Germanium crystal-growing technique	Aug.	8	71	
Upjohn, E.G., president, will be a witness at the drug hearings	Nov.	28	52	Susquehanna's Riverport, Wyo., mill	July	18	78	Is building a 5-kw. generator for the U.S. Naval Engineering Experiment Station.	Nov.	28	89
Uranium Reduction Co. - is allocating \$2 million for expansion of its plant at Moab, Utah	Aug.	22	17	Jointly owned subsidiary of Vitro Corp. of America and Rochester & Pittsburgh Coal Co. has signed uranium contract with Susquehanna-Western			"Painton" electrical insulation	Dec.	5	53	
Urethane Corp. of California - will market polyether foams for furniture and auto applications on the West Coast and in Alaska and Hawaii	Nov.	21	23	Von Kohom International - German affiliate, EFEM GmbH, will set up polyester yarn and fiber plant in Formosa	July	25	35	Plans to centralize its research and development on a Churchill Borough site near Pittsburgh, Pa.	Nov.	14	76
Utah Resin Co. - fumaric-acid producer joins the nation's maleic-fumaric lineup - new plant at Salt Lake City	Oct. 3-81	Nov. 28-99		Negotiating a contract for another fiber plant to Russia	July	25	35	Plans to market "competitive" power reactors	Oct.	10	73
				Stationed a senior vice-president in Moscow to carry on negotiations for its viscose and polyester plants in Russia	Oct.	10	17	Producer of silicon	Aug.	15	58
				Vulcan Copper and Supply Co. - responsible for conversion of ammonia into urea at Taiwan Fertilizer Co.	Nov.	28	42	Research labs developing electronic tubes using the semiconductor silicon carbide as an electron source	Aug.	1	43
								Thermoelectric generator powered by solar energy	Aug.	22	42
Vaculite Corp. - jointly owned by NRC and Champion Paper is already producing aluminum-coated with NRC-developed equipment	Aug.	22	63		Nov.	14	42	Weyerhaeuser Timber Co. - discontinued pilot production of quercetin	July	4	43
Valley Nitrogen - anhydrous ammonia plant at Heler, Calif., went on stream recently	Sept.	26	47	Wagner Bag Co. - acquired by St. Regis Paper Co.	Nov.	21	31	Whitcomb, Inc. - salesmen's on-the-road costs up according to a survey	Oct.	24	72
Vanadium Corp. of America - land appropriation suit	Sept.	19	96	Wah Chang - operations at Albany, Ore., highlight columbian-tantalum roundup	July	4	51	Whirlpool Corp. - thermoelectric heating and cooling devices should be available by '65	Aug.	22	22
Will appeal jury award of \$4.5 million to vanadium ore miners	Dec.	26	23	Wallerstein Co. - division of Baxter Labs offers Kierzyme, an enzyme product	Nov.	21	31	White King Soap Co. - bleach tablets	Oct.	31	28
Varcum Chemical Corp. - purchased by Reichhold	Aug.	8	17	Walsham Precision Instrument Co. - Thermal Dynamic Products Division offers solar furnace in kit form	July	11	98	White Laboratories - antihistamine called Disomer	Sept.	12	112
Wage reopener	Sept.	19	98	Walton-March - rush-inhibited ice melter	Nov.	7	66	Wichita Chemical Division - Abbott is building small chemical plant to make cyclohexylamine	July	11	66
Varian Associates - formed a new subsidiary in Switzerland	Nov.	28	84	Wander - three Swiss pharmaceutical makers are setting up shop in Egypt, have formed Societe Swiss-Pharma	Oct.	17	53	Widmer, P.R., Inc. - stockholders approved merger into Unexcelled Chemical Corp.	Oct.	17	36
Veeco Vacuum Corp. - high-vacuum gauge	Aug.	29	129	Wantage Irradiation Laboratories - radiation sterilization	Aug.	8	25	Williams Research Corp. - developed "bread-box size" gas turbine	Nov.	7	26
Vellumold Co. - purchased by W.R. Grace	Sept.	26	26	Warner-Chilcott - manufacturer of aluminum hydroxide gels	Nov.	14	91	Willmott Castle Co. - readying a powder-sterilizing process	Nov.	14	79
Velsicol Chemical Corp. - producer of heptachlor	Oct.	31	27	Warner-Lambert Research Institute developed Nardil antidepressant	Oct.	17	70	Sole rights to distribute BPL as a gaseous sterilant	Nov.	7	73
Vick Chemical Co. - Menell Co. division is testing new drug for use in coronary artery disease	Oct.	3	72	To enter the antibiotics field	Aug.	15	82	Winstone, B., y Hijos - producer of printing inks and paints acquired by Borax Holdings Ltd.	Sept.	26	51
Merrell, Wm. S., a division, offers urethane to repair bone fractures	Oct.	17	78	Warren Petroleum - helped fight fire on Houston Ship Channel	July	4	46	Witco Chemical Co. - building a new laboratory and plant-office building at Los Angeles	Oct.	3	31
Shareholders will vote for stock split	Aug.	15	27	Warwick Wax - Western Petrochemical a corporation set up to finance and manage the operations of the former division of Sun Chemical	Oct.	31	60	Sales and earnings	Nov.	21	159
Stockholders voted a two-for-one stock split	Oct.	31	25	Washburn, T.F., Co. - neutral cleaner, Turgene	Nov.	21	44	Correction	Oct.	31	17
Victor Chemical Works - electric furnace project at Mount Pleasant, Tenn.	Sept.	5	17	Watco-Dennis Corp. - wood finish	Aug.	1	63	Wolverine Tube - division of Calumet & Hecla is showing a novel development in light-wall seamless tubing	Nov.	7	17
Merger with Stauffer: formula for a blend July 18-26, Aug. 29-42, Oct. 17-36, Nov. 7-24	Dec.	12	94	Weinrich & Associates - commercial version of Excer process engineered for AFC uranium plant in Japan	Sept.	12	115	Woodhill Chemical Co. - Liquid Steel, a steel filling compound	July	25	104
Sales and earnings	Aug.	8	17	Weir, G. & J. Ltd. - Weir-Chicago Bridge, jointly owned with Chicago Bridge, is a new name in saline-water conversion	Aug.	15	84	Wright Air Development Center - Aero Medical Laboratory study of maintenance men	Aug.	15	85
Wage contract at Maiden Rock and Canyon Creek	Sept.	26	104	Weir-Chicago Bridge - subsidiary of G. & J. Weir Ltd. and Chicago Bridge & Iron, a new name in saline-water conversion	July	11	35	The Wright Co. - acquired by Bome Chemical	Aug.	29	125
Victoreen Instrument Co. - is putting its new industrial automation division into operation	Sept.	12	48	Wells, W.F. & Sons - heat exchanger salvage	July	11	69	Wyandotte Chemicals - chlorine expansion at Gelsmar, La.	Oct.	3	31
VioBin Corp. - Blaw-Knox involved in construction of solvent extraction plant at New Bedford, Mass. for production of fish protein	Aug.	8	68	Wesson Oil & Snowdrift Co. - will install hydrogen unit at its Memphis plant	Aug.	29	129	Established a Corporate Development and Planning Division to be headed by John Reifel	Nov.	7	80
Virginia-Carolina Chemical Corp. - a bitter strike in Bartow, Fla., has taken on legal overtones	July	11	18	West Chester Chemical - caulking compound	July	11	69	Michigan Alkali Division will include engineering department	Nov.	14	43
Charleston, S.C., county health department directives against V-C	Oct.	3	90	West Virginia Pulp and Paper Co. - Indusol for floor waxes described at CSMA meeting	Aug.	29	129	Speaking up about tax inequities	Nov.	14	43
Hike without contract at Bartow, Fla.	Dec.	5	94	Western Petrochemical Corp. - "preorganization" proves key to smoothing changeover from company division to independent corporation	Oct.	17	36	Spray gun allows application of rigid urethane-polyether foam	Sept.	12	93
Hurricane Charley disrupted operations at Charleston, S.C.	Oct.	10	18	Western Phosphates, Inc. - Stauffer is 50% owner	Sept.	12	115	Will form polymer research and product development departments	Sept.	19	52
More management changes	Dec.	12	100	Westinghouse Air Brake Co. - Le Roi Division has an addition to its compressor line	Dec.	19	70	Wyeth - manufacturer of aluminum hydroxide gels	Sept.	12	48
Phosphate ultimatum	Aug.	15	47	Nelpar Co., a subsidiary, has formed a physical sciences laboratory	Aug.	1	63		Aug.	15	82
Sales rise didn't help profits	Sept.	5	18	Westinghouse Electric - AEC contract for isotope development	July	18	26	Yale & Towne - Chapman, Gilbert, predicts a scientific breakthrough in fuel cells.	July	25	45
Showed visiting Soviet chemists through its fertilizer plant in Cincinnati	Aug.	29	40	Aircraft-type engine on board ship	Aug.	15	54	Yankee Atomic Electric Co. - formed an industrial reprocessing group (IRG) with five companies	Dec.	26	49
Strikers back at work in Florida's phosphate fields, no contracts yet negotiated	Dec.	19	43	Completed preliminary tests on plastic housings for jet engines	Oct.	3	98	Yardney Chemix Corp. - will market an antibacterial spray called Eversan SP.	Nov.	21	192
Work-or-be-replaced ultimatum	Aug.	22	48	Formed a new atomic power organization to build a plant for UK's first atomic-powered submarine, the Dreadnought	Aug.	15	32	Yawata Chemical Co. - Japanese firm will build phthalic anhydride plant employing the catalytic air-oxidation of naphthalene	Nov.	21	192
Vision, Inc. - Employee Relations Bulletin conducted survey of foremen's salaries	Oct.	24	78	Formed research advisory committee	Sept.	12	56	Yeso Mexicano - U.S. Gypsum's subsidiary will set up gypsum operations in San Luis Potosi state	July	11	40
Visking Co. - will build polyethylene film plant southeast of Montreal	Aug.	8	18		Dec.	12	70	Young Machinery - ranks fifth in making pneumatic conveying systems	Sept.	5	31
Vita-Safe Corp. - acquired by Consolidated Sun Ray, Inc.	Aug.	22	25		Aug.	29	44		Sept.	26	93
Vitro Corp. - merged Refinery Engineering Co. and Vitro Engineering Co. into Treco Construction Division of Vitro	Nov.	28	49		Sept.	5	91				
Vitro Engineering Co. - division of Vitro Corp. of America will design and engineer high-level-radiation laboratory for the U.S. Naval Research Laboratory	Aug.	29	82								
Kierger with Refinery Engineering Co.	Nov.	28	49								

